CO-1141

CO-1141

LIMA LOCOMOTIVE WORKS INCORPORATED

LIMA, OHIO, U. S. A.

Direct Locomotive CARD INDEX

Class 4-8-4 Dept. ENGINEERING

SOUTHERN PACIFIC R. R.

ORDER No.	SHOP NUMBERS	DATE	DRAUGHTSMAN
CO-1141	7721 TO 7734	5-19-1937	THORBURN
		19	
		19	
		19	
		19	

14 ENGS.

FORM LED. 30

CO-1141

CO-1141

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ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

Date	ITEMS	Check	Date	ITEMS	Check	Date	ITEMS	Check

ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

Date	ITEMS	Check	Date	ITEMS	Check	Date	ITEMS	Check

LED 30-4

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
✓	1	~~Ash~~ Oil Pan	1	108-A-7						
✓	2	" " Material Bill	1 set	10-M0-42-B	Mat'l Ord in P.D					
✓	3	" " ~~Hopper~~ Draft Ring	2	102-A-297			10-326			
✓	4	" " " Chute Damper	1-R 1-L	102-A-300						
✓	5	" " ~~Door~~ " " Shaft	2	"	Mat'l Ord in P.D					
	6	" " " Links								
	7	" " " Frame								
✓	8	" " Damper	1	103-B-102	Plate					
✓	9	" " " Rigging	1	104-A-21	Furnish Pipe					
✓	10	" " " ~~Handle~~ Regulator Handle	1	103-A-101	Furn. Brass Bush. Mach. Screw, Etc				10-328	
✓	11	" " " ~~Crank~~ " Latch Handle	1	"					60-48	
✓	12	" " " " " Latch	1	"		600-5-31				
✓	13	" " " ~~Hinge~~ " " Link	1	"	Steel					
✓	14	" " " " " " Spring	1	"	Ord in P.D					
✓	15	" " " ~~Hanger~~ " " Handle Pins	~~X~~ 2	"	Furnish Cotter					
✓	16	" " " " " " Link Pin	1	"						
✓	17	" " " ~~Lug~~ " Quadrant	1	"	Plate-Mat'l. Ord in P.D					
✓	18	" " " Shaft Arm	1	103-E-102		103-E-102				
✓	19	" " " Lever	2	102-A-298		102-A-298				
✓	20	" " " ~~Latch~~ Weight	2	102-A-299	Furnish Set Screw		10-327			
✓	21	" " " Rod	1	103-D-102		103-D-102				
✓	22	" " " " Operating Arm	1	103-H-102		103-H-102				
✓	23	" " " Shaft	1	103-C-102	Cold Rolled Mat'l. Ord in P.D					
✓	24	" " " " Bearing	1	103-F-102		103-F-102				
✓	25	" " ~~Stile~~ Corner Supports	2	102-A-302	Plate					
✓	26	" " " ~~Rigging~~ "	2	102-D-302	"					
✓	27	" " " ~~Rod~~ "	2	102-C-302	"					
✓	28	" " " " "	1	102-B-302	"					
✓	29	" " " ~~Jaw~~ Angle-Back	1	108-A-7		10-A-325				
✓	30	" " " Frame " Front	1	"		10-A-324				
✓	31	" " ~~Operating Shaft~~ Support"	1	"		10-A-323				
✓	32	" " Draft Angles ~~Arms~~ -Center	2	"		10-A-327				
✓	33	" " ~~Shaft~~ ~~Bearing~~ " "	2	"		10-A-328				
	34	" " Hand Lever								
✓	35	" " " " ~~Stop~~ Damper Operating Rod Jaw	1	103-A-102	Furnish nut & Washer	103-A-102				
✓	36	" " ~~Lock Pin~~ " Rigging Pins	2	102-A-301	Steel-Furn. Cotter					
	37	" " Operating Cyl.								
✓	38	" " Damper ~~Heads~~ Shield	1-R 1-L	102-A-304	Plate					
✓	39	" " ~~Piston~~ Stud Washer Oil Pan To Mud Ring	38	102-A 313	Steel					
	40	" " " Rod								
	41	" " " Follower								
	42	" " " Rings								
	43	" " Supports								
	44	" " "								
	45	" " Swipe Manifold								
	46	" " Cinder Box								
	47	" " " " " Cover								
	48	" " Brick Work								
	49									
	50									
	51									
	52	**GROUP 11—AXLES**								
✓	53	Axle, Driving—Main	1	112-A-275	Ord in P.D. Rough Turned					
✓ ⊗	54	" " —F. [redacted]	1	112-A-293	Ord in P.D Rough Turned					
✓	55	" " I & B.	2	112-A-274	Ord in P.D Rough Turned					
✓	56	" " —Key	set	To Suit						
✓ ⊗	57	" Engine Truck	2	112-B-292	Ord in P.D Rough Turned					
	58	" " " —Collar								
✓	59	" Trailing " Front	1	112-A-276	Ord in P.D Rough Turned					
✓	60	" Marking		112-A-280						
✓	61	" Trailing Truck-Back	1	112-A-277	Ord in P.D. Rough Turned					

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 12—BELL								
✓	1	Bell	1	122-B-111					12-285-A	
✓	2	" ~~Clapper~~ Support	1	122-A-135				12-308		
✓	3	" ~~Jaw~~ Arrangement	1	123-A-45						
	4	" Stand								
	5	" Crank								
	6	" Washer								
	7	" Yoke								
	8	" " Nut								
	9	" " Shaft								
	10	" " Jaw Stem								
✓	11	" Ringer Transportation	1	S.P. Drwg. C.L.-14553-A	Ordin P.D.					
✓	12	" " Operating Valve		See Page 11 Item 58						
	13	" " Bracket								
	14	" Rope Eye								
	15	" " Thimble								
	16	" " Guide								
	17	" " " Roller								
	18	" " Pulley								
	19	" " " Hanger								
	20									
	21	Gong								
	22									
	23									
	24									
	25									
	26									
	27									
	28	**GROUP 13—BOILER**								
✓	29	Boiler Plan	1	130-A-81						
✓	30	" Sections	1	138-A-73						
✓	31	" Material Bill	1-Set	13-MO-331-A	Ordin P.D.					
✓	32	" Stay Bill (Flex)	1-Set	13-MO-325	Furnished By R.R.					
✓	33	" Test Pressure, Water		350#						
✓	34	" " " Steam		308#						
✓	35	" Working "		280#						
✓	36	" 3rd. Course Seam	1	133-A-63						
✓	37	" Smoke Box Cutout & Liner	1	132-A-195						
✓	38	" Dome Liner & 2nd Course Seam	1	133-A-61						
	39	**GROUP 14—BOILER DETAILS**								
	40	Boiler Bracing								
✓	41	" Brace Rod Ends	44	142-E-126		142-E-126				
✓	42	" " " "	2	142-B-126		142-B-126				
✓	43	" " " "	2	142-L-136		142-L-136				
	44	" " " "								
	45	" " " "								
✓	46	" " " Lugs	2	142-A-475		14-A-154				
	47	" " " "								
	48	" " " "								
	49	" " " "								
✓	50	" " " Jaws	46	142-A-346	Furnish Bolts	14-D-110				
✓	51	" " " "	2	142-A-475	"	14-E-8				
	52	" " " "								
	53	" " " "								
✓	54	" Throat Brace	16	142-A-448						
✓	55	" " " Nuts	16	"						
✓	56	" " " Lug	16	"		14-A-147				
	57	" " " "								
	58	" Crown Bars								
	59	" " Roof Irons								
✓	60	" Stay Bolt Schedule	1-Set	132-A-196						
✓	61	" " " Location (Flex)	1-Set	132-A-188						

(Group 14 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS (Cont.)								
	1	Boiler Radial Stay								
	2	" " "								
	3	" " " —Buttonhead								
	4	" Cross Stay								
	5	" " "								
✓	6	" Smoke Box Ring	1	130-A-~~811~~ 81		14-N-123				
✓	7	" Tube Sheet Ring	1	142-A-447	Furnish Studs			14-279		
✓	8	" Fire Box Ring	1	143-A-180				14-280		
✓	9	" " " " Corners.	1-set	143-A-181						
	10	" " " " " B.								
	11	Boiler Tubes—Small								
	12	" Flues—Large								
	13	" Combustion Tubes								
	14	" Stoker Flues								
✓	15	" Tube Setting	1-set	142-A-452						
✓	16	" Flue "	1-set	142-A-453						
	17	" Combustion Tube Setting								
	18	" Stoker Flue Setting								
	19	" Test Plate	1	142-A-456						
✓	20	" " " Acorn Nuts	2	142-B-456						14-281
✓	21	" " " Studs	18	~~142-A-182x81~~	Steam					14-126
	22	" Cylinder Saddle (Mallet Engine)								
	23	" Bearing " " "								
	24	" Centering Device Saddle								
✓	25	" Waist Sheet Angle ~~or Tee No. 1~~	2	142-A-455		14-A-151				
✓	26	" " " " " ~~No. 2~~	2	" "		14-A-150				
	27	" " " " " No. 3								
	28	" " " " " No. 4								
✓	29	" Mud Ring Studs (Inside)	2	142-A-454						
✓	30	" " " " (Inside)	36	142-B-454						
✓	31	" " " " (Outside)	2	142-A-454						
	32									
	33									
	34									
	35									
	36	**GROUP 15—BOLTS AND NUTS**								
✓	37	Lateral Motion Arrgt	1set	164-A-22						
✓	38	" " Spring	4	162-E-164	Ordin P.D					
✓	39	" " " Seat	4	162-B-163			Nickle Cast Iron 16-477			
✓	40	" " " Bolts	2	162-H-164		162-H-164				
✓	41	" " " Seat	2	162-J-164	Steel					
✓	42	" " " Bolt Pin	4	162-A-164	Furnish Cotter					
✓	43	" " " Seat Pin	4	162-B-164	" "					
✓	44	" " " " Liner	2	162-B-179	Plate					
	45									
	46									
	47	**GROUP 16—BOXES, DRIVING**								
✓ ⊗	48	Box—Driving, Main Babbitted	2	163-A-212	Furn. Lub. Pipes & Apply Netting Casting					
✓	49	" —Brass "	2	162-A-187	Ordin P.D					
✓	50	" —Cellar "	2	163-B-196	Ordin P.D					
✓	51	" — " Pin "	4	163-A-212		16-A-8				
✓ ⊗	52	" —Driving Front-Babbitted	2	163-A-207	Furn. Lub. Pipes & Apply Netting Casting					
✓	53	" —Brass "	2	162-B-187	Ord. in P.D					
✓	54	" —Cellar "	2	163-A-196	Ordin P.D					
✓	55	" — " Pin " Outside	2	163-A-207		16-A-9				
✓ ⊗	56	" —Driving Inter & Back-Babbitted	4	163-A-213	Furn. Lub. Pipes & Apply Netting Casting					
✓	57	" —Brass " " "	4	162-B-187	Ordin P.D					
✓	58	" —Cellar " " "	2	163-A-196	Ordin P.D					
✓	59	" — " Pin " " "	8	163-A-213		16-A-9				
✓	60	" —Brass, Plugs - MAIN	4	163-A-212	Stick Brass					
✓	61	" " " Front	4	163-A-207	" "					

Note:-
In the future when ordering these Brasses, Use The Card No. Only in Order Book- Patt. LB 7840 & LB 7842 are moulded To Cd. 163-A-246 and are 16-484 1/2 Shorter Than shown on cd-162-A-B-187
Magnus Does not have Pattern of These. as They 16-492 are now made in molds
D.B.T.
7/24/43
16-485

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 16—BOXES, DRIVING (Cont.)								
P	1	Box—Brass Plugs INTER & BACK	8	163-A-213	Stick Brass					
P	2	" — " Pressed in Box (Tons)	1½ Ton per 1" Length of Journal							
	3	" —Hub Liner								
	4	" — " "								
	5	" — " "								
P	6	" Cellar Pins-Front-Inside	2	163-A-207		Raise Question on future Orders as to making Heavier Springs.-Letter Dixon To Towsand Dated 11-30-38 Reports same Breaking				
P	7	" " " Keys	26	152-A-28	Ordin P.D	16-A-8 causing Hot Boxes				
P	8	" " " " Rear & Front Truck	4	152-B-28	"					
P	9	" Lid " " " "	4	152-A-28	"					
P	10	Box Cellar Bolt Key-Eng. Truck	8	152-A-28	"					
	11	**GROUP 17—BOXES, TRUCK**								
P ⊗	12	Box—Engine Truck (new Pattern) Babbitted	4	173-A-78	Apply Netting			17-416		
P ⊗	13	" —Cellar, Engine Truck (new Pattern)	4	173-A-78			17-417			
P	14	" " Bolt " "	8	"	Casting	17-A-19				
P ⊗	15	" —Brass " "	4	172-A-190	Ordin P.D					
P	16	" Lubricator	4	S.P. Dwg BL-16854 C	Ordin P.D					
P	17	Box— Trailing Truck Front	2	173-A-75	Furn. Oil pipes & Cover Plates			17-405		
P	18	" —Cellar " " "	2	172-A-182				17-404		
P	19	" — ~~Pinion~~ Lubricator Cover " "	2	S.P. Dwg. CL-16859	Ordin P.D					
P	20	" — " ~~Bolt~~ " " "	2	172-A-183			17-406			
P	21	" —Brass " " "	2	172-B-186	Casting Ordin P.D					
P	22	" —Lid " " "	2	172-A-11	Ordin P.D					
P	23	" " ~~Spring~~ Pin " " "	2	172-B-90		172-B-90				
P	24	Box— Trailing Truck Back	2	173-A-76	Furn. Oil Pipes & Cover Plates			17-408		
P	25	" —Cellar " " "	2	172-A-185				17-410		
P	26	" —~~Binder~~ Lubricator Cover " "	2	S.P. Dwg. CL-16859	Ordin P.D.					
P	27	" — " ~~Bolt~~ " " "	2	172-A-184			17-411			
P	28	" —Brass " " "	2	172-A-186	Casting Ord. in P.D.					
P	29	" —Lid " " "	2	172-B-11	Ordin P.D					
P	30	" " ~~Spring~~ Pin " " "	2	172-C-90		172-C-90				
P	31	" Pedestal Liner "	4	173-A-76	Furn. Bronze Patch Bolts				Bronze 17-409	
P	32	" Cellar Pin Front	2	173-A-75		17-A-4				
P	33	" Cover Bolts "	12	173-A-75	Steel					
P	34	" " " Keys "	12	152-H-28	Ordin P.D					
P	35	" Pedestal Liners "	4	173-A-75	Furn. Bronze Patch Bolts				Bronze 17-407	
	36	**GROUP 18—Brackets**								
P	37	Air Gauge Stand & R.S. Panel	1	182-A-306	Plate					
P	38	" " " Bracket	1	182-B-308		182-B-308				
P	39	Feed Water Heater Gauge Stand & Tank Level Indicator	1	182-B-305	Plate					
P	40	" " " " " Bracket	1	182-A-305		182-A-305				
P	41	~~Pyrometer Gauge Stand~~ Air Gauge Stand Bracket	1	182-A-308		182-A-308				
	42	" " " Bracket								
P ⊗	43	Steam Gauge Stand & L.S. Panel	1.	182-A-312	Plate					
	44	" " " Bracket								
	45	" " " Plate								
	46	Stoker Gauge								
	47	" Gauge Stand Bracket								
	48	Intercepting Valve Gauge Bracket								
P	49	Box Cellar Pin Back	2	173-A-76		17-A-4				
P	50	" Cover Studs "	12	"	Steel					
P	51	" " " Keys "	12	152-H-28	Ordin P.D					
	52									
	53	**GROUP 19—BRAKE, OPERATING**								
P	54	~~Brake Valve~~ Air Brake (Operating) material	1 set	19-MO-128	W.A.B. CO. Furn. by Sou. Pac. RR					
	55	" " Body								
	56	" " Cap								
	57	" " Nut								
	58	" " Follower								
	59	" " Handle								
P	60	" " Bracket—~~Automatic~~ Pedestal	1	192-B-326				19-339		
P	61	" " " —~~Independent~~ Hi-Speed	1	192-A-346		192-A-346				

(Group 19 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 19—BRAKE, OPERATING (Cont.)								
	1	Feed Valve Bracket								
P ⊗	2	Distributing Valve Bracket	1	193-A-197	Plate-Matl. Ordin P.D.					
	3	Control " "								
P	4	5-D. Vent Valve Bracket	1	192-A-344	Plate-Matl. Ordin P.D.					
	5	Brake Relief Valve								
	6	" " " Cap								
	7	" " " Stem								
	8	" " " Spring								
P	9	Hi-Speed Volumn Reservoir-U-Strap	1	192-A-323	Furnish Nuts					
P	10	Main Reservoir L.S.	1	20½" x 96"	Ordin P.D.					
P	11	" " R.S	1	20½" x 120"						
P	12	" " Supports R.S	2	192-A-324	Angle"-Matl Ordin P.D	19-A-148				
P	13	" " " L.S.	2	192-B-325	" " "	19-A-149				
	14	" " "								
	15	" " "								
P	16	SANDING RESERVOIR Support	2	192-A-347		192-A-347				
P	17	" " " " Block	2	192-K-29	Wood					
	18	" " Blocks								
P	19	MAIN RESC Straps	4	192-A-324	Furnish Nuts	19-A-147				
	20	" " "								
	21	" " "								
	22	" " " U Bolts								
	23	" " " " "								
	24	" " " " "								
P	25	Air Turret	1	193-K-112						
P	26	Dummy Coupler Hanger Pin	2	192-A-334	Steel-Furn. nut & Hi-Power Washer matl.		19-17			
P ⊗	27	Air Pump Bracket - Front	1	193-A-199	Ordin P.D.	19-A-151				
P ⊗	28	" " " - "	1	"	"	19-B-151				
P ⊗	29	" " " Brace - "	1	"	"	19-B-155				
P ⊗	30	" " " " - "	1	"	"	19-B-155				
P ⊗	31	" " " ~~Pump Strainer Support~~ - "	1	"	"	19-C-156				
P ⊗	32	" " " " - "	1	"	"	19-B-156				
P	33	Equalizing Reservoir Support	2	192-A-322		192-A-322				
P	34	" " " U Straps	2	192-C-323	Furnish Nuts	192-C-323				
	35									
P	36	Air Pump Drip Pan	2	192-A-316	Plate-Matl. Ordin P.D					
P	37	" " " " Pipe Flange	2	"						
P	38	" " " " Support	2	"						19-239
P	39	" " " " "	2	"		19-K-107				
P	40	" " " " "	2	"		19-L-107				
P	41	" " " " "	2	"		19-M-107				
P	42	" " Strainer Support	2	"		19-N-107				
	43	**GROUP 20—BRAKE, FOUNDATION**	2	192-C-328		192-C-328				
P	44	Brake Arrangement (Foundation)	1 set	A.B. Co 1865	Ordin P.D					
	45	" Bell Crank								
	46	" " " Fulcrum								
	47	" Shaft								
	48	" " Bearing								
	49	" " "								
P ⊗	50	Air Pump Bracket - Back	2	193-A-198	Matl. Ordin P.D	19-A-150				
P ⊗	51	" - " ~~Handle~~ " Brace "	1	"	"	19-A-155				
P ⊗	52	" - " ~~Cam~~ " " "	1	"	"	19-B-155				
P ⊗	53	" - " ~~Sleeve~~ " " "	1	"	"	19-A-156				
P ⊗	54	" - ~~Beams~~ " " "	1	"	"	19-A-152				
	55	" "								
	56	" "								
	57	" Equalizer								
	58	" "								
	59	" "								
	60	" Fulcrums								
	61	" "								

(Group 20 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE, FOUNDAT'N (Cont.)								
	1	Brake Hangers								
	2	" "								
	3	" Levers								
	4	" "								
	5	" "								
	6	" Rods								
	7	" "								
	8	" "								
	9	" Adjusting Nuts								
	10	" " "								
	11	" Safety Straps								
	12	" " "								
	13	" Heads								
	14	" "								
P	15	" Shoes A.B.S.&F.Co Driver Diamond Perfecto	8	S.P.Dwg. BL-16711	Ord in P.D.					
P	16	" " Eng. Truck	4	S.P.Dwg. BL-16813	"					
P	17	" " ~~Key~~ A.B.S.&F.Co. Trailer Tk. Diamond Perfecto	2	S.P.Dwg. BL-16710	"					
	18	" " Spring								
	19	"								
	20	" Cylinder								
	21	" " Heads								
	22	" " "								
	23	" " Gland								
	24	" " " Nut								
	25	" " Support								
	26	" Piston								
	27	" " Rod								
	28	" " Follower								
	29	" " Rings								
	30	" Push Rod								
P	31	" Plain-Engine Truck	1 set	A.B.Co. 1866	Ord in P.D.					
	32									
	33									
	34									
	35	**GROUP 21—BUMPERS**								
P	36	Bumper—Front		Cast Integral With Bed Casting						
	37	" Knees								
	38	" "								
	39	" Brace								
	40	" "								
	41	" Push Pole Pocket								
	42	"								
	43	"								
	44	"								
	45	" Plate								
	46	" "								
	47	" " Support								
	48	" Scroll Iron								
	49	Bumper—Back								
	50	" Crosstie								
	51	" Brackets								
	52									
	53									
	54									
	55									
	56									
	57	**GROUP 22—CAB**								
P	58	Cab	1	228-A-10	Steel Wood Lined					
P	59	" Material Bill	set	22-MO-57-C	Mat'l. Ord in P.D.					
P	60	" Skyline Casing Expansion Plates	2	228-A-10	½" x 3" x 8" Forged Sizes					
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS								
✓	1	Cab Angle—Roof	1 set	228-A-10						
✓	2	" ~~Tee Iron~~ Skyline Casing Angle	1	228-A-10		23-A-469				
✓	3	" ~~Roof Brace~~ Window Sash Handle Bolt-Front	2	232-G-788						
✓	4	" Gutter	2	228-A-10	Steel-Furn. Pipe Drain					
	5	" Corner Iron								
	6	" " Bracket								
✓	7	" Window Frame Sides	4	228-A-10	Wood. Glazed					
✓	8	" " ~~Sash~~ " Back	2	"	Wood Glazed					
✓	9	" " ~~Stop~~ " Stop	2	232-B-242					23-32	
✓	10	" " ~~Shield~~ " Catch	2	232-A-783	Spring Steel Ordin P.D.					
✓	11	" " ~~Sash Fixture~~ " " Block	2	"	Steel					
✓	12	" " " " " " Plate	2	"	"					
✓	13	" Storm Window Arrangement	1-R 1-L	233-F-303	Furn. Cute Hook & Eye					
✓	14	" " " Frame	1-R 1-L	233-A-303	Wood Glazed					
✓	15	" " " ~~Sash~~ " Latch Plate	2	233-B-303	Plate-Matl. Ordin P.D	Furnish Eye Bolt				
✓	16	" " " ~~Lug~~ "	2	233-C-303		233-C-303				
✓	17	" " " " " Spring	2	"	Spring Steel Matl. Ordin P.D					
✓	18	" ~~Door~~ ~~Frame~~ " Lock	2	233-D-303	Hinge Ordin P.D.					
✓	19	" " " " Latch Plate	2	233-E-303	1X Tin					
✓	20	" " " " Hinges	4	233-A-303	Ordin P.D.					
✓	21	" Window Frame Arrgt. Front	1	233-A-306						
✓	22	" " ~~Fixture~~ " R.H "	1	233-A-305					23-532	
✓	23	" " " ~~Bracket~~ L.H. "	1	"					23-533	
✓	24	" " " Sash ~~Slide~~ R.H. "	1	232-A-789					23-534	
✓	25	" " ~~Clamp~~ " L.H. "	1	"					23-534-A	
✓	26	" " " ~~Rod~~ Handle-Fitup-R&L	2	232-A-854 ~~232-B-784~~	Steel ← Make Steel Per. HW.S.-12-7-37 Brass not strong Enough				~~23-534-B~~	
✓	27	" " ~~Slide~~ " Knob	2	"	Stock Brass					
✓	28	" " ~~Fulcrum~~ " Pin	2	232-A-788	Furnish Cotter					
✓	29	" " ~~Handle~~ Frame Pin	2	232-B-788	Furnish Nut					
✓	30	" Arm Rest Bracket	2-R 2-L	233-B-304	Angle-Matl. Ordin P.D.					
✓	31	Cab Ventilator—Centre	1	234-A-41	Plate-Matl. Ordin P.D.					
✓	32	" " Rigging	1 set	"	Furn. Nuts Taper Pins, Cotters, Etc Matl.					
✓	33	" " Shaft	1	232-D-781	Ordin P.D.					
✓	34	" " ~~Arm~~ " Lever	2	232-B-779	Furnish Bolt & Nut			23-528		
✓	35	" " ~~Rod~~ " Link	2	232-E-781		232-E-781				
✓	36	" " ~~Handle~~ " " Hinge	2	232-C-779				23-529		
✓	37	" " " ~~Washer~~ Bracket	2	232-C-781	Plate	232-C-781				
✓	38	" " Latch	1	232-D-782		232-D-782				
✓	39	" " " ~~Fulcrum~~ Guide	1	232-A-782						
✓	40	" " ~~Thumb Screw~~ " Link	1	232-B-782		232-B-782			23-526	
✓	41	" " ~~Side~~ " Handle	1	232-C-782	Sheet Steel	232-C-782				
✓	42	" " ~~Angle Side~~ " Spring	1	232-F-782	Ordin P.D.					
✓	43	" " " ~~Ends~~ " Guide	1	232-E-782	Furnish Nuts & Washers	232-E-782				
✓	44	" " Hand ~~Lever~~ Quadrant	1	232-A-781	Plate	232-A-781				
✓	45	" " ~~Bars~~ " " —	1	232-A-779						
✓	46	" Bracket	1	233-A-300	Plate-Matl. Ordin P.D			23-527		
✓	47	" " Angle	1 set	"	" " "					
✓	48	" Brace Rods	2	232-A-777		232-A-777				
✓	49	" " ~~Link~~ Bracket	1	232-A-776						
✓	50	" Saddle	2	228-A-10		23-B-328		23-525		
✓	51	" Firing Deck	1	232-A-795	Plate-Matl. Ordin P.D					
✓	52	" Apron	1	232-A-775	Plate-Matl. Ordin P.D.					
✓	53	" " Hinge	2	232-A-774	Furn. Rivet Pin	23-A-466				
✓	54	" Brace ~~Link~~ Washers	4	233-A-301	Steel					
✓	55	" " Angle	1	"	Matl Ordin P.D					
✓	56	" Apron Hinge ~~Gangway Chain~~	2	232-A-774		23-A-467				
✓	57	" Arm Rest	2	233-A-304	Upholstered Covering Ordin P.D.					
✓	58	" Seat (Engineer) & Fireman	2	232-A-791	Plate-Matl Ordin P.D					
✓	59	" " Cushion	2	233-A-302	Ordin P.D.					
✓	60	" " ~~Rest~~ Back Rest	2	232-A-778	Wood-Upholstered Covering. Ordin P.D					
✓	61	" " Hinge	4	232-A-791	Ordin P.D.					

(Group 23 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS (Cont.)								
	1	Cab Seat Rod								
	2	" " " Spring								
P	3	" Side Ventelator (~~Fireman~~)	1-R 1-L	232-A-786	Plate-Matl. Ord in P.D					
P	4	" " ~~Cushion~~ " Hinges	4	"	Commercial					
P	5	" " ~~Post~~ " Bracket	2	"	Ord. in P.D	23-A-470				
P	6	" " ~~Hinge~~ " "	2	"	1/8" Plate	23-A-472				
P	7	" " ~~Rod~~ " Lever	2	"		23-A-471				
P	8	" " ~~Spring~~ " " Pins	2	"	Steel-Furn Cotter					
	9	" " (Brakeman)								
P	10	" Seat Back ~~Cushion~~ Rest Clamp	4	232-D-803		232-D-803				
P	11	" " ~~Post~~ " " Support	2	232-C-803		232-C-803				
	12	" " " Fulcrum								
	13	" " Hinge								
	14	" " Spring								
P	15	" Bulletin ~~Clothes Box~~ Board	1	232-A-793	Wood Ord in P.D					
P	16	" " " ~~Hinge~~ Case (Boiler Washed)	1	232-A-792	Complete With Glass					
P	17	" " " ~~Hasp~~ " (Air Brake Insp)	1	232-B-792	"					
P	18	" Inspection ~~Frame~~ ~~Hinge~~ (Fuel Ticket)	1	232-C-792	"					
P	19	" " " " ~~Small~~ (Insp & Repair)	1	232-D-792	"					
P	20	" Foam Meter Instruction Cd ~~Location~~ Frame	1	232-A-851	Wood-Glass Shield Ord in P.D.					
P	21	" Booster Instruction Card ~~Train Order Hook~~ Frame	1	232-A-790	Wood-Glass Shield Ord. in P.D					
P	22	" Curtain—Back	1	232-A-794	Ord in P.D					
	23	" " Rod—Back								
P	24	" " Hooks	2	232-A-794		23-A-473				
	25	" " Eye Bolts								
P	26	" Fusee, Flag & Torpedo Box ~~Side~~	1	233-A-307	Matl. Ord in P.D					
P	27	" " ~~Rod~~, ~~Side~~ " " Latch	1	232-A-797		232-A-797				
P	28	" " ~~Anchor Rod~~ " " " Clip	1	232-B-797		232-B-797				
P	29	" " ~~"S" Hooks~~ " " " Handle	1	232-C-797	Furn & Apply Collar	232-C-797				
P	30	" " ~~Eye Bolts~~ " " " Spring	1	233-A-307	Ord in P.D					
	31	" Awning								
P	32	" Grease Gun Box	1	232-A-796	Matl. Ord in P.D					
	33									
P	34	Cab Ventelator Hinge-R.H.	1	232-D-779					23-530	
P	35	" " " -L.H	1	"					23-531	
P	36	" " " Strap	2	232-B-781		232-B-781				
P	37	" " Latch Handle Pin	2	232-A-780	Steel					
P	38	" " " Pin	1	232-B-780	"					
P	39	" " Link Hinge Pin	2	232-C-780	"					
P	40	" " Hinge & Lever Pin	4	232-D-780	"					
P	41	" " Latch Link Pin	1	232-E-780	"					
	42	**GROUP 26—COCKS AND VALVES**								
P	43	Air Pump ~~Angle Valve~~ Steam Valve-Turret	1	1" Angle 1/4 Westinghouse	Furnish With Air Brake					
P	44	" " ~~Cock~~ " " At Pumps	2	1" Globe 1/4 Wolworth	Ord in P.D.					
	45	" " Stem								
	46	" " Gland								
	47	" " Nut								
	48	" " Handle								
	49									
	50									
	51	Ash Pan Valve								
	52	" " " Cap								
	53	" " " Stem								
	54	" " " Gland								
	55	" " " Nut								
	56	" " " Handle								
	57									
P	58	Bell Ringer Valve	2	3/8" Globe Crane	Ord in P.D.					
	59									
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont,)								
P	1	Booster ~~Drain~~ ~~Cock~~ Check Valve	1	3½" Swing Franklin	Furnish With Booster					
P	2	" Throttle Valve & Operating Cyl	1	Franklin						
P	3	" Valve	1	¾ 3" Globe Walworth	Ord in P.D					
	4									
P	5	Valve Handle Name Tags (Cab Heater)	2	1⅝" Dia x 1/16" Brass-With Name stamped on.						
P	6	" " " " (Bell Ringer)	2	" "	" "	" "				
P	7	" " " " (Power Rev. Steam)	1	" "	" "	" "				
	8									
	9									
P	10	Blower Valve In Cab	1	1" Globe Crane	Ord in P.D					
P	11	" " ~~Cap~~ At Smoke Box	3	1" Globe Crane	"					
	12	" " Stem								
	13	" " Gland								
	14	" " Nut								
	15	" " Handle								
	16									
P	17	Blow Off Cock Body - Fit up R&L	2	267-A-1	Furnish Pins			26-488		
P	18	" " " Cap	2	"				26-489		
P	19	" " " ~~Plug~~ Valve	2	"	Furnish nuts & Cotters	26-A-27				
P	20	" " " ~~Nut~~ " Stem Packing	2	"	Asbestos Wicking					
P	21	" " " ~~Washer~~ " " Nut	2	"						26-492
P	22	" " " ~~Handle~~ Lever	2	"				26-490		
P	23	" " " Joint Ring	2	792-P. 89		79-864				
P	24	" " " ~~Extension~~ Strainer	2	267-A-1				26-261		
P	25	" " " Valve Stem Packing Gland	2	"	Stick Brass					
P	26	" " " " Yoke	2	"				26-491		
P	27	Blow Off Valve (Syphon)	1	2" Globe Crane	Ord. in P.D					
	28	" " " Cap								
	29	" " " Stem								
	30	" " " Gland								
	31	" " " Nut								
	32	" " " Handle								
P	33	" " Muffler Piping Valve	2	2" Lubricated Plugs Merco-Nordstrom	Ord. in P.D					
P	34	Cab Heater Valve	2	1" Globe ½ Crane	"					
P	35	Blowoff Muffler Piping Valve Handle	2	262-A-338				26-497		
	36									
	37									
P	38	Coal Sprinkler Valve	1	⅜" Globe Crane	Ord. in P.D.					
P	39	" " " ~~Cap~~ Shield	1	262-A-367						
	40	" " " Stem								
	41	" " " Gland								
	42	" " " Nut								
	43	" " " Handle								
	44									
P	45	Cylinder Cock Body	2-R 2-L	S.P. DWG. Book 675-20224	Ord in P.D					
	46	" " Shank								
P	47	" " Valve Operating	1	⅜ 3" Plug Westinghouse	Ord in P.D					
P	48	" " ~~Nipple~~ Handle	1	262-A-339						
	49	Port Cock								26-498
	50	" " Shank								
	51	" " Valve								
P	52	Drain Valve-F.W.H. Cold Pump Del. Line	1	1" Drain Cock 2 W.A.B. Co # 7716	Ord in P.D					
P	53	~~Drip~~ Valve Body - Air Pump	4	262-A-336	Stick Brass					
P	54	" " ~~Cap~~ Spring " "	4	"	Ord in P.D.					
P	55	" " Stem - " "	4	"	Stick Brass					
P	56	" " ~~Gland~~ - Booster Steam Pipe	1	¾ 3" Globe Crane	Ord in P.D					
P	57	" " ~~Nut~~ F.W.H To Track	1	1" Globe 2 Crane	Ord in P.D.					
P	58	" " ~~Handle~~ - Journal Cooler	1	1" Plug Cock 2 Crane	"					
P	59	" " - Cylinder Exhaust	2	1" Automatic Okadee	"					
P	60	" " - F.W.H Pump Delivery Elbow	1	262-A-16 ← #100 Crane Tee "Head.						
P	61	" " - F.W. Hot Pump Del.-Under Boiler	1	1" Globe 2 Crane	"					

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
P	1	Dynamo Valve Turret	1	3" Crane ¾ Globe	Ord in P.D					
P	2	Flange Lub Needle "Cap" Valve Body	2	262-A-343	Furnish Mach. Screw				26-503	
P	3	" " ~~Stem~~ " " Stem	2	"	Stick Brass					
P	4	" " ~~Gland~~ " " Spring	2	"	Ord in P.D					
P	5	" " ~~Nut~~ " " Handle	2	262-E-340	"					
P ⊗	6	" " ~~Handle~~ " " Ext. Rod	2	592-C-647	Steel					
P	7	" " Valve	1	1" Globe 2 Crane	Ord in P.D					
P	8	Feed Water Heater Valve - Main Steam-Turret	1	1" Angle ¼ Walworth	Ord in P.D					
P	9	" " " " Control Valve	1	1" Globe ¼ Walworth	Ord. in P.D					
P	10	" " " " Check Valve	1	2½" Swing Crane	Ord. in P.D					
P	11	" " " " Frost Line	1	½" Globe Crane	Ord in P.D					
	12									
	13									
	14									
	15									
	16									
	17									
P ⊗	18	Flange Lub. Valve ~~Grate Shaker Valve~~ Univ. Joint Block	2	262-C-70	Stick Brass					
P ⊗	19	" " " ~~Cap~~ " "	4	"					26-205	
P ⊗	20	" " " ~~Stem~~ Ext. Rod Support	2	592-B-679		592-B-679				
P ⊗	21	" " " ~~Gland~~ " " Thumbscrew	2	592-D-647					59-544	
	22	" " " Nut								
	23	" " " Handle								
P	24	Inj. Steam Valve - 2½" Nathan Type 1918	1	S.P. Dwg. A.L-13548-B	Ord in P.D					
P	25	Inj. Starting Valve " 3540	1	1" Nathan 2½ Dwg. 3704	Ord. in P.D					
	26	" " " Cap								
P	27	Journal Cooler Valve ~~Stem~~ Line	1	1" Globe ¼ Crane	Ord. in P.D.					
P	28	" " " ~~Gland~~ " Control	1	1" Globe 1" Crane	"					
P	29	" " " ~~Nut~~ "	8	1" Globe ¼ Crane	"					
P	30	" " " ~~Handle~~ "	3	½" Globe ½ Crane	"					
P	31	" " " ~~Extension~~ Cut out Cock	2	1" Plug Cock 1" Crane	"					
P	32	" " " ~~Flange~~ " " "	1	1" Plug Cock ½ Crane	"					
	33									
	34	Lubricator Valve	1	¾" Angle ¼ Crane	Ord in P.D.					
P	35	" " ~~Cap~~ Mech'l. Lub Heater	2	¾" Globe ⅜ Crane	"					
	36	" " Stem								
	37	" " Gland								
	38	" " Nut								
	39	" " Handle								
	40	" " Extension								
	41									
P	42	Oil ~~Stock~~ Burner Steam Valve	1	1" Angle 1¼ Walworth	Ord in P.D					
P	43	" " ~~Cap~~ Control To Oil Tank Heater	1	¾" Globe ¼ Walworth	"					
P	44	" " ~~Plug~~ " " Engine "	1	⅜" Globe ⅜ Crane	"					
P	45	" " ~~Nut~~ " For Blowback	1	⅜" Globe ⅜ Crane	"					
P	46	" " ~~Washer~~ " To Atomizer	1	1" Globe 2 Walworth	"					
P	47	" " ~~Handle~~ Check Valve Body	1	262-A-342					26-501	
P	48	" " " " Cap	1	"					26-502	
P	49	~~Power Reverse Angle Valve~~ "	1	"					26-500	
	50	~~Power Reverse Valve~~ Cap	1							
P	51	Power Reverse ~~Valve~~ - Turret	1	¾" Globe ¾ Crane	Ord in P.D					
P	52	" " " " ~~Gland~~ Line	1	¾" Globe ¾ Crane	"					
	53	" " " " Nut								
	54	" " " " Handle								
	55									
P	56	Power Reverse Cut Out Cock	1	¾" Westinghouse	Ord in P.D					
	57									
	58									
	59									
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Power Reverse Globe Valve								
	2	" " " " Cap								
✓	3	Typhon Air Whistle Cut out cock Stem	1	1" Plug cock 2 Crane	Ordin P.D.					
	4	" " " " Gland								
	5	" " " " Nut								
	6	" " " " Handle								
✓	7	Steam Heat Reducing Valve	1	1" 2½ x 2½ Vapor #239	1" Globe Ordin P.D.	V.C.H.Co. DWG. 50287-With Brazed conn. For 2¼" O.D. Cop. Pipe To CD.11773				
	8	Power Reverse 3-Way Cock								
	9	" " " " Bracket								
✓	10	Steam Chest Relief Valve	2	1" Globe Crane	Ordin P.D.					
✓	11	Steam Gauge Cock	2	262-A-337					26-495	
	12	" " " Cap								
✓	13	" " " Plug	2	262-A-337					26-496	
✓	14	" " " Nut	4	"	Stick Brass					
✓	15	" " " Washer	2	"	" "					
✓	16	" " " ~~Handle~~ Extension	2	262-C-260	Ordin P.D.					
✓	17	Steam Heat Valve-Turret	1	2½" Angle 2½ Vapor #210	V.C.H.Co. DWG. 50823 With Brazed Connection for 2¼" O.D Copper Pipe To CD.11773					
✓	18	Test Gauge Cock	1	262-A-144					26-73	
✓	19	" " " Cap	1	"	Stick Brass					
✓	20	" " " Plug	1	"	Furnish Rivet & Chain					
✓	21	" " " Nut	1	"	Stick Brass					
✓	22	" " " Washer	1	"	" "					
✓	23	" " " ~~Handle~~ Gasket	1	"	" "					
✓	24	Whistle Shut off Valve-Air	1	¼" Globe 4 Crane	Ordin P.D.					
✓	25	Water Column Drain Valve	1	¾" Angle ¾ Crane	Ordin P.D.					
✓	26	" Gauge " "	2	½" Globe ½ Crane	"					
✓	27	Turret Shut off Valve	1	3" Globe-Flanged	3" Merco-Nordstrom "					
✓	28	Sand Agitator Valve	1	½" Plug. ½ Crane	"					
✓	29	" " " Handle	1	262-A-341						
✓	30	Universal Joint Block-L. Water Glass	1	262-C-70	Steel				26-499	
✓	31	" " Jaw	2	"	Furnish Pins					
✓	32	" " Block Water Cooling Piping Dynamo. Lub. Steam Power Reverse	4	262-A-344	Stick Brass				26-205	
✓	33	" " Jaw "	4	"	Furnish Pins					
✓	34	" " " "	4	"	" "				26-205	
✓	35	" " Block FW. Heater Oil Manifold Air Pump	3	262-B-346					26-278	
✓	36	" " Jaw	3	"	Furnish Pins				26-344	
✓	37	" " Jaw	3	"	" "				26-504	
✓	38	" " Block-Steam Heat	1	262-A-346					26-343	
✓	39	" " Jaw " "	1	"					26-344	
✓	40	" " " "	1	"					26-504	
✓	41	" " Block Booster Steam Pipe Drain	1	262-A-344	Stick Brass				26-343	
✓	42	" " Jaw " "	1	"	Furnish Pins					
✓	43	" " " " "	1	"	" "				26-205	
	44								26-278	
	45									
	46									
	47	**GROUP 27—COCKS AND VALVES**								
✓	48	Gauge Cock	3	272-A-301						
✓	49	" " ~~Valve~~ Packing	3	"	Ordin P.D				27-532	
✓	50	" " ~~Cap~~ " Washer	3	"	Stick Brass					
✓	51	" " Stem	3	"	Stick Brass					
✓	52	" " Gland	3	"	" "					
✓	53	" " Nut	3	"	" "					
✓	54	" " Handle	3	262-C-340	Ordin P.D.					
	55	" " Extension								
✓	56	" " Dripper	1	272-A-300						
✓	57	Water Column Bottom Extension Plugs	3	272-D-303	Stick Brass				27-531	
✓	58	Water Column	1	273-A-89						
✓	59	" " Support	1	272-C-297		272-C-297			27-530	
✓	60	" " Bottom Extension	1	272-A-299	Forged steel	272-A-299				
✓	61	" " " " Sleeve	1	272-D-306	Stick Brass					
✓	62	(Group 27 Continued) " " " " " Nut	1	272-C-306					27-538	

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS & VALVES (Cont.)								
✓	1	Water Column Top Extension	1	272-E-306					27-201	
✓	2	" " " " Sleeve	2	272-B-306	Stick Brass					
✓	3	" " Extension Sleeve Nuts	2	272-A-306					27-537	
	4	" " Plug								
✓	5	" " Boss - R.S.	1	272-F-162	Steel					
✓	6	Water Glass Boss - LS	1	"	"					
✓	7	Water Gauge Fitting-Assembly	1	273-B-90						
	8	Water Gauge ~~Cock~~ NATHAN	2	Type BXA-No9	without stems Ordin P.D					
	9	" " " Slip Joint								
✓	10	" " Upper Fitting L.S	1	272-C-304					27-535	
✓	11	" " " " ~~Cap~~ Plugs L S	2	272-D-303	Stick Brass					
✓	12	" " " " ~~Valve~~ R&L	2	272-B-304	" "					
✓	13	" " " " ~~Stem~~ Nut R&L	2	"	" "					
✓	14	" " " " ~~Gland~~ Swivel R&L	4	272-E-303	Brazing Metal					
✓	15	" " " " ~~Nut~~ Bracket-L.S	1	272-D-307		272-B-307				
	16	" " " " Washer								
73	17	" " " " Handle								
✓	18	" " Lower Fitting L.S.	1	272-B-303	Stick Brass					
✓	19	" " " " ~~Cap~~ R.S.	1	272-A-303	" "					
✓	20	" " " " Nuts ~~Valve~~ R&L	2	272-B-304	" "					
✓	21	" " " " ~~Stem~~ R&L	2	272-C-303	" "					
✓	22	" " " " ~~Gland~~ L.S.	1	272-A-304	" "					
	23	" " " " Nut								
	24	" " " " Washer								
	25	" " " " Handle								
	26	" " Glass								
	27	" " Guard								
	28	" " " Glass								
✓	29	" " Cock Fitting Nut-Lower	2	272-A-302	Stick Brass					
✓	30	" " Cock Upper	2	272-A-305					27-536	
✓	31	" " " ~~Valve~~ Fitting Nut "	2	"	Stick Brass					
✓	32	" " " ~~Cap~~ Packing Washer "	2	"	" "					
✓	33	" " " Stem "	1	"	Furnish Nut					
✓	34	" " " Gland "	2	"	Stick Brass					
✓	35	" " " Nut "	2	"	" "					
✓	36	" " " Handle "	1	262-C-340	Ordin P.D					
✓	37	" " " ~~Extension~~ Stem "	1	272-B-305	Stick Brass					
✓	38	" " " Lower	2	272-A-302					27-533	
✓	39	" " " Stem "	2	"	Stick Brass Furnish Nut					
✓	40	" " " Gland "	2	"	Stick Brass					
✓	41	" " " Nut "	2	"	" "					
✓	42	" " " Packing Washer	2	"	" "					
✓	43	" " " Handle	2	262-C-340	Ordin P.D					
	44	Valve Extension Handle Guide	1	273-A-91	PLATE-Matl Ordin P.D.					
✓	45	" " " " Support	1	"		27-A-40				
✓	46	" " " " "	1	"		27-A-41				
	47									
	48									
	49									
	50	**GROUP 28—COCK RIGGING**								
✓	51	Blow-off Cock Rigging L.S.	~~1~~ 1	283-A-57						
✓	52	" " " ~~Arm~~ R.S.	1	283-B-57						
✓	53	" " " ~~Cross~~ Rod Jaw Pins	2	282-J-241	Steel					
✓	54	" " " Handle L.S.	~~1~~ 1	282-H-241		282-H-241				
✓	55	" " " ~~Lever~~ Fulcrum	2	282-A-241		282-A-241				
✓	56	" " " Rod	2	283-A-57	1" Pipe-Length 1/2 To suit E.S.					
✓	57	" " " ~~Short~~ Handle Guide	2	282-D-241		282-D-241				
✓	58	" " " ~~Hanger~~ Rod Jaws	2	282-B-241		282-B-241				
✓	59	" " " ~~Yoke~~ "	2	282-C-241		282-C-241				
✓	60	" " " ~~Stop~~ " Pin	2	282-E-241	Steel					
✓	61	" " " ~~End~~ " "	2	282-F-241	Steel					
✓	62	(Group 28 Continued) " " " Handle RS	1	282-A-262		282-A-262				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 28—COCK RIGGING (Cont.)								
O ⊗	1	Blowoff Muffler	1	282-B-240	Plate-Matl. Ordin P.D.					
O ⊗	2	" " Support	1-R 1-L	282-C 240	Plate-Matl. Ordin P.D.					
	3	Cylinder Cock Rigging								
	4	" " Arm								
	5	" " "								
	6	" " Lever								
	7	" " " Fulcrum								
	8	" " Rod								
	9	" " " Supports								
	10	" " Shaft								
	11	" " " Hangers								
	12	" " " Bearing								
	13	" " Slide Bar								
	14	" " " " Connection								
	15	" " Treadle								
	16	" " Operating Cylinder								
	17	" " " " Support								
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									
	33	Main Reservoir Drain Cock Rigging								
	34	" " " " " Handle								
	35	" " " " " Support								
	36									
	37									
	38									
	39	Oil Cock Rigging								
	40	" " Arms								
	41	" " Lever								
	42	" " Rod								
	43	" " Shaft								
	44	" " " Hanger								
	45									
	46									
	47									
	48									
	49	**GROUP 29—CRANK PINS**								
O O	50	Crank Pin—Main Furnish Plugs	2	292-A-255	Ordin P.D. Rough Turned					
O O	51	" " —F.	2	292-A-253	Matl. Ordin P.D	292-A-253				
O O	52	" " —Int. Furnish Plugs & Dowels	2	292-A-252	Matl. Ordin P.D.	292-A-252				
O O	53	" " —Back Furnish Dowels	2	292-A-254	Matl Ordin P.D	292-A-254				
O	54	" " Nuts-Back	4	292-A-254	Steel	$4\frac{9}{16}$" Hex x $\frac{13}{16}$" Thick. Fin. Sizes				
O	55	" " Collars—~~Main~~ Marking		292-A-239						
O	56	" " " ~~Front~~	2	292-A-253	Matl. Ordin P.D	29-A-113				
O	57	" " " —Int.	2	292-A-252	" "	$10\frac{3}{4}$" Dia x $\frac{3}{4}$" Thick. Fin Sizes				
O	58	" " " —B.	2	292-A-254	" "	9" Dia x $\frac{3}{4}$" Thick. Fin. Sizes				
O	59	" " Nuts - Inter	2	292-A-252	Steel	$5\frac{3}{8}$" Hex x $1\frac{5}{8}$" Thick. Fin. Sizes				
O	60	Pressed Into Wheels (Tons)		A.A.R. Std.						
O	61	Crank Pin Marking		292-A-238						

(Group 29 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 29—CRANK PINS (Cont.)								
P	1	Crank Pin Grease Cup Lock Pin	2	292-~~B~~ A-255	Steel					
P	2	" " " " " " Spring	2	"	Spring Ordin. P.D.					
	3	**GROUP 30—CROSSHEAD**			Steel Spring Wire					
P ⊗	4	Crosshead—Body	1-R 1-L	303-A-104	Tinned Matl.			30-354		
P ⊗	5	" Wrist Pin	2	302-A-246	Ordin P.D	Fin. Sizes 6 11/16" Dia x 15 39/64"				
P ⊗	6	" " " Washer	2	"		Fin. Sizes 6 1/2" Dia. x 3/8 Thick				
P ⊗	7	" " " Bearing	2	"	Matl. Ordin P.D.	30 * H-2				
P ⊗	8	" " " ~~Grease Plugs~~ Key	2	"	Steel					
P ⊗	9	" " " Nuts	2	"		Fin. Sizes 5 3/8" Hex x 2" Thick				
P	10	" Key	2	302-D-226	Matl. Ordin P.D	Fin sizes 1 1/2" x 4 15/16" x 13 1/2"				
	11	" Plate								
	12	" Arm								
	13	" " Bushing								
	14	" Shoe—Top								
	15	" " —Bottom								
	16	" Wrist Pin Marking								
P ⊗	17	" Wearing Plates	4	303-A-104					Bronze 30-355	
	18									
P	19	**GROUP 31—CYLINDER**	1 Pr.	G.S.C. Corp. B-51580	Integral With Bed Cast					
	20									
	21									
P ⊗	22	Cylinder Bushing	1-R 1-L	312-A-13			31-82			
	23									
	24									
	25									
	26									
	27									
	28	**GROUP 32—CYLINDER DETAILS**								
P ⊗	29	Cylinder Head—Front	2	323-A-174				32-672		
P ⊗	30	" " —Back	2	323-A-173				32-671		
P ⊗	31	" " Cover—Front	2	322-B-415	Plate-Matl. Ord. in P.D.					
P ⊗	32	" " " —Back	2	322-A-415	"					
P	33	~~Casing Clamp~~ " Clips	4	"						
	34	" Nut								
P ⊗	35	Steam Chest Head—Front	2	322-A-396				32-655		
P ⊗	36	" " " —Back	2	324-A-30				32-657		
P	37	" " " Cover—Front	2	322-B-400	Plate-Matl. Ord. in P.D.					
P	38	" " " " —Back	2	322-A-400	"					
P	39	" " " " Clips	4	"						
P ⊗	40	" " Bushing	2	323-A-175	Casting Ordin P.D		H.S. Gun Iron 32-670			
P ⊗	41	" " "	2	323-B-175	"		H.S. Gun Iron 32-670-A			
P ⊗	42	Cylinder Head Clearance Diagram	1	324-A-35						
	43									
P	44	Valve Rod Crosshead Guide	2 Inside 2 Outside	322-A-397			32-658			
P	45	" " " " Wearing Plate	4	"			32-659			
	46									
	47									
	48	Steam Chest								
	49	" " Caps								
	50	" " Balance Plates								
	51	" " Covers								
	52	" " Casings								
P ⊗	53	Cyl. Head Lagging Plate - Fr.	2	322-A-417	Plate-Matl Ord in P.D					
P ⊗	54	" " " " - Bk	2	"	"					
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 33—CYL. COMPOUND AT'CHM'TS								
	1	Intercepting Valve Arrangement								
	2	" " Chamber								
	3	" " " Cap								
	4	" " " "								
	5	" " " " Pack'g Ring								
	6	" " Snap Rings								
	7	" " " "								
	8	" " Bushing								
	9	" " Stem								
	10	" " " Nut								
	11	" " Spring								
	12	" " Lock Stud								
	13	" " Disc								
	14	" " Chamber Joint Ring								
	15	" " Pipe Flange								
	16	" " Bracket								
	17	" " Dash Pot								
	18	" " " " Piston								
	19	" " " " Head								
	20									
	21									
	22									
	23									
	24									
	25	Receiver Pipe Arrangements								
	26	" "								
	27	" " Sleeve								
	28	" " Flange								
	29	" " Ball Joint								
	30	" " " " Packing Flange								
	31	" " " " " Rings								
	32	" " " " " "								
	33	" " Straps								
	34	" " Supports								
	35	" "Y" Pipe								
	36	" " " Casing								
	37	" " " "								
	38	" " " "								
	39	" " " "								
	40	" " " "								
	41	" " " Joint Ring								
	42									
	43									
	44	Reducing Valve								
	45									
	46									
	47									
	48									
	49	Separate Exhaust Valve								
	50									
	51									
	52									
	53									
	54	Starting Valve								
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 34—CYL. BY-PASS & RELIEF VALVE								
	1	By-Pass Valve								
	2	" " Casing								
	3	" " Cap								
	4	" " Nut								
	5	" " Stem								
	6	" " Spring								
	7	" " Piston								
	8	" " Ring								
	9									
	10	Cyl. Head Relief Valve								
	11	" " " " Cap								
	12	" " " " Nut								
	13	" " " " Stem								
	14	" " " " Casing								
	15	" " " " Spring								
	16									
C	17	Cyl. Relief Valve Cover Plate-L.S	1	342-A-33			34-111			
	18	" " " Cap								
	19	" " " Nut								
	20	" " " Stem								
	21	" " " Spring								
C	22	" " " Cover Plate Joint Ring	1	792-J-128			79-~~112~~ 124			
	23	St. Chest Relief Valve								
	24	" " " " Cap								
	25	" " " " Nut								
	26	" " " " Stem								
	27	" " " " Spring								
	28	" " Vacuum Valve								
	29	" " " " Cap								
	30	" " " " Nut								
	31	" " " " Stem								
	32	" " " " Spring								
	33									
	34									
	35									
	36									
	37	**GROUP 35—DIE WORK**								
C	38	Flanging Dies	1 set	352-B-329						
	39									
	40									
	41									
	42									
	43									
	44									
	45	**GROUP 36—DOME**								
C	46	Dome	1	363-A-54						
	47	" Flange								
	48	" Ring								
C	49	" Cap	1	362-A-228						
C	50	" Casing	See Skyline Casing							
C	51	" Shut Off Valve	1	362-A-230	casting Ord. in P.D					
C	52	" " " " ~~Cap~~	1	363-A-56	Steel					
C	53	" " " " ~~Casing~~ Body	1	363-A-57	casting Ord in P.D.					
C	54	" " " " Stuffing Box	1	363-A-55			36-172			
C	55	" " " " Packing	1 set	"	Ord in P.D					
C	56	" " " " Nut	1	"					36-107	
C	57	" " " " Gland	1	"					36-108	
C	58	" " " " Stem	1	362-C-102	Matl. Ord. in P.D					
C	59	" " " " ~~Universal Joint~~ Nut	1	362-A-102	Steel					
C	60	" " " " Handle	1	262-A-92					26-240	
C	61	" " " " Stuffing Box Joint Ring	1	363-A-55					36-173	
C	62	" " " " ~~(Group 36 Continued)~~ Body Cover	1	362-A-231	casting Ord in P.D					

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 36—DOME (Cont.)								
A	1	Dome Shutoff Valve Stem	1	363-C-24	matl. Ordin P.D.					
A	2	" " " " Univ. Joint	1	362-A-80				36-109		
A	3	" " " " " "	1	362-A-81				36-110		
A	4	~~Auxiliary Dome~~ " Body Support	1	362-A-229	Angle-matl. Ordin P.D.	36-A-6				
A	5	" " ~~Cap~~ " " "	1	"	Plate-matl. Ordin P.D.	36-A-5				
	6	" " Casing								
	7									
	8									
	9	**GROUP 37—DRAWGEAR**								
A	10	Coupler—Front A.A.R. Type E-6"x8"	1	Amer. Stl. Fdry. 07364-E	Ordin P.D					
A ⊗	11	" Uncoupling Shaft	1	372-A-447	Furnish Collars	372-A-447				
A	12	" " " Bracket	1	372-A-425				37-435		
A	13	" " " "	2	372-A-387			37-69			
A ⊗	14	" " " ~~Handle~~	1	372-B-447	Furnish Collars	372-B-447				
A	15	" ~~Draw Bar~~ Pocket	1	372-A-427	Casting Ordin P.D					
A ⊗	16	~~Buffer Front~~ " Uncoupling Shaft Arm	1	372-C-447		372-C-447				
A	17	Drawbar—Between Eng. & Tender	1	372-A-423	matl. Ordin P.D	372-A-423				
A	18	" Pin	1	372-A-424	"	372-A-424				
A	19	Safety Bar	1	372-A-422	"	372-A-422				
A	20	Drawbar Bushings	2	372-A-423	Steel					
	21	" Chain								
	22	" " Clevis								
	23	" " Pin								
A	24	Radial Buffer Franklin Wedge Type	1	373-A-56	Ordin P.D.					
	25									
	26	Chafing Plate								
A	27	Coupler Uncoupling Shaft-Bracket Filler	2	372-L-111						
A	28	" " " Bracket Cotter	2	372-F-111	Ordin P.D.			37-434		
A ⊗	29	" " Shaft Arm Pin	1	372-D-447	Furnish Cotter					
A	30	" " Chain Clevis	2	372-B-356		372-B-356				
A	31	" " " " Pins	2	372-C-356	Furnish Cotter					
A	32	" " " Link	1	372-D-356		372-D-356				
	33									
	34									
	35	**GROUP 39—ECCENTRIC**								
A ⊗	36	Eccentric Crank	1-R 1-L	392-A-185	matl. Ordin P.D	39-A-133				
A	37	" " Bolt		See Bolt List.						
A	38	" " Key	2	392-A-185	Steel					
A	39	" " Location		See Erecting Card						
A	40	" " Pin	2	392-A-185	matl. Ordin P.D	39-D-63				
A	41	" " " Washer	2	"	1" Dia x 3/8" Fin. sizes					
A ⊗	42	" Rod	1-R 1-L	393-A-54	matl. Ordin P.D	39-A-134				
A	43	" " Stub Keeper Bolt	2	722-E-432	Steel					
A	44	" " Brass	2	393-C-54						
A	45	" " Pin	2	393-B-54	Furn. Nut, Taper Pin & Dowel				Bronze 39-507	
	46	" Large Half								
	47	" Small "								
	48	" Strap Large Half								
	49	" " Small "								
	50	" " Liner								
A	51	" Crank Shims	8	392-A-185	" Fin Sizes. 3" O.D. x 2¼ I.D. x 1/32 Thick					
A	52	" " Pin nuts	2	"	1" Fin. Sizes. 3/8 Hex x 1 3/8" Thick					
	53									
	54									
	55									
	56	**GROUP 40—ENG. TRUCK, LEADING**								
A	57	Engine Truck Arrangement	1	404-A-21						
A	58	" " Frame	1	G.S.C. Corp. 51617-A-B	Ordin P.D.					
	59	" " " Brace								
	60	" " " "								
	61	" " " Crosstie								

Use CD# 372-E-447 For Future - To pass I.C.C. Requirements 1/13/41 Baker

Use C.D. 372-F-447 for Futures To Pass I.C.C Requirements 1/13/41 Baker

(Group 40 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 40—ENG. TRUCK LEADING (Cont.)								
A	1	Engine Truck Pedestal Tie Bar	2	402-A-372		402-A-372				
A	2	" " " Liners	8	G.S.C. Corp. 17540-165	Ordnance Dept.					
	3	" " " Cap								
	4	" " " " Brace								
	5	" " Saddle								
A	6	" " Equalizer (~~Over Box~~)	4	402-A-371	MATL. Ordnance Dept.	402-A-371				
	7	" " " " "								
A	8	" " Bolster	1	G.S.C. Corp. 51618	Ordnance Dept.					
C	9	" " Center Plate Liner	1	402-A-364	Plate-Matl. Ordnance Dept.					
A	10	" " " " Washer	2	402-J-83	Plate					
A	11	" " " Pin	1	402-B-361	Steel					
A	12	" " " " ~~Bolt~~ Washer	1	"	"					
A	13	" " " " " Key	1	152-F-28	Ordnance Dept.					
A	14	" " Check Chain	2	402-A-375		402-A-375				
A	15	" " " " Bolt	2	402-B-363		402-B-363				
A	16	" " " " ~~Clevis~~ " Key	2	152-E-28	Ordnance Dept.					
	17	" " Swing Frame								
A	18	" " " Link & Pins	1 set	G.S.C. Corp 51618	Ordnance Dept.					
	19	" " " " Pins								
	20	" " " " "								
	21	" " " Pin Key								
A	22	" " " Rocker	2	G.S.C. Corp. 51619-A	Ordnance Dept.					
	23	" " Connecting Links								
	24	" " " " Pins								
A	25	" " Spring Hanger	4	402-A-373				40-322-A		
A	26	" " " " Pin	4	402-C-363	Steel	402-C-363				
A	27	" " " " ~~Gib~~ " Key	4	152-C-28	Ordnance Dept.					
	28	" " " Seat								
	29	" " " "								
	30	" "								
	31	" " Safety Strap								
	32	" " Radius Bar								
	33	" " " " Brace								
	34	" " " " End								
	35	" " " " Pin								
A	36	" " Rocker Seat Oil Pan	2	402-A-370	Plate					
	37	" "								
	38									
	39									
	40									
	41									
	42									
	43									
	44	**GROUP 41—ENG. TRUCK TRAILING**								
C	45	Trailing Truck Arrangement		See Erect Card						
	46	" " Bolster								
	47	" " Center Plate								
	48	" " " " Washer								
	49	" " " Pin								
	50	" " " " " Bolt								
	51	" " " " " " Key								
	52	" " Equalizer (Over Box)								
	53	" " " " "								
P	54	" " Frame	1	G.S.C. Corp 21792-Line 3	Ordnance Dept.					
	55	" " " Brace								
	56	" " " "								
	57	" " " Crosstie								
	58	" " Pedestal								
P	59	" " " ~~Cap~~ Tie Bar-Front	2	G.S.C. Corp 21809-B	Ordnance Dept.					
P	60	" " " " ~~Brace~~ " -Rear	2	G.S.C. Corp 16979-D	Ordnance Dept.					
	61	" " Saddle								

(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 41—ENG. TRAILING TRUCK (Cont.)								
	1	Engine Truck Swing Frame								
	2	" " " Link								
	3	" " " " Pin								
	4	" " " " "								
	5	" " " Pin Key								
	6	" " Guide Frame								
	7	" " Spring Hanger								
	8	" " " "								
	9	" " " " Gib								
	10	" " " " "								
	11	" " " Seat								
	12	" " " "								
	13	" " " Yoke								
	14	" " " " Hinge								
	15	" " " " Seat								
	16	" " " " Pin								
	17	" " " " Case Cap								
	18	" " Chafing Plate								
	19	" " Safety Strap								
	20	" " Check Chain								
	21	" " " " Bolt								
	22	" " " " Clevis								
C	23	" " ~~Center Spring~~ Centering Device	2	G.S.C. Corp. 17327 Line 12	Ord. in P.D.					
	24	" " " " Case								
	25	" " " " Rod								
	26	" " " " Seat								
	27	" " Radius Bar								
	28	" " " " Brace								
	29	" " " " Clamp								
	30	" " " " End								
C	31	" " " " Pin	1	412-D-66	Furnish Nut & Cotter 412-D-66					
	32	" " " " " Keeper								
	33									
	34									
	35									
	36									
	37									
	38									
	39									
	40	**GR. 42—ERECTING CARDS, Elevations**								
C ⊗	41	Elevation	1	420-A-102						
	42									
C ⊗	43	Bachkead Arrangement	1	428-A-75	For Future move Injector Steam Pipe & Steam Heat Pipe over 1/4" In Order To give More Clearance Betwee Injector Steam Protecting Flange and Oil Regulator Shaft at Deck					1/4" (35 to 36 1/4" / 36 to 37 1/4"
	44	**GR. 43—ERECTING CARDS, Cross Sec.**								
C ⊗	45	Cross Section	1	430-A-91						
	46									
	47	**GROUP 44—EXHAUST PIPE**								
C	48	Exhaust Pipe	1	443-A-61						
C	49	" Nozzle	1	443-A-60			44-742			
C	50	" ~~Tip~~ Cross Bridge	1	442-A-161		442-A-161	44-741			
C	51	" Pipe Gasket	1	442-A-162	Ord. in P.D.					
	52	" "								
	53	Blower Ring								
	54	Exhaust Pipe Ball								
	55	" " Flange								
	56	" " Gland								
	57	" " Rings								
	58	" " Seat								
	59	" " Sleeve								
	60	" " Spring								
	61									

(Group 44 Continued

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 44—EXHAUST PIPE (Cont.)								
	1	Separate Exhaust Pipe								
	2	" " " Elbow								
	3	" " " Flange								
	4	" " " Support								
	5	" " " Joint Ring								
	6	" " " Casing								
	7									
	8									
	9									
	10									
	11	**GROUP 45—FIREDOOR & FIREBRICK**								
	12	Fire Brick Arrangement								
	13	Arch Tube								
	14	" " Covers								
	15	" " Setting								
	16	" Box Cross Carrier								
	17									
	18									
	19									
C	20	Fire Door Arrangement	1	453-A-47	Furnish Pins Washers Etc.					
C	21	" " Frame	1	"				45-198		
C	22	" " ~~Hinges~~ Door	1	"			45-197			
C	23	" " Liner	1	"			45-199			
C	24	" " Latch	1	"			45-200			
C	25	" " " Guide	1	"	$\frac{1}{2}$" x 1$\frac{1}{2}$" steel					
C	26	" " ~~Catch~~ Stop	1	"	$\frac{1}{4}$" x 1$\frac{1}{2}$" "					
	27	" " Register								
C	28	" " Handle	1	453-A-47		45-A-35				
C	29	" " ~~Lever~~ Cover Plate	1	"	Steel Plate					
C	30	" " ~~Shaft~~ " Spring	1	"	Ord. in P.D					
	31	" " Slide								
	32	" " Damper								
	33	" " " Details								
	34	" " Shield								
	35	" " " Support								
	36	" " " Angle								
	37									
	38									
	39	Smoke Consumer								
	40									
	41	**GROUP 46—FRAMES**								
	42	Frame—Pattern & Slotting								
	43	" —Drilling								
C	44	" Bed Casting	1	G.S.C. Corp. A-51580	Ordin P.D.					
	45	" Cradle								
	46	" Rail								
	47	" Splice								
C	48	" Pedestal Binder No. 1	2	G.S.C. Corp. 51398. Line 2	Ord. in P.D.					
C	49	" " " No. 2	2	"	"					
C	50	" " " No. 3	2	"	"					
C	51	" " " No. 4	2	"	"					
	52	" " " No. 5								
C	53	" " " Bolt	1 set	G.S.C. Corp. 51586	Ordin P.D.					
C	54	" Shoe, Wedge & Pedestal-Marking Cap		462-A-213						
C	55	Pedestal Wedge Block	8	462-A-193	Oak					
C ⊗	56	Pedestal Shoe—Main	2	462-A-205						Bronze 46-488
C ⊗	57	" " Front, Inter & Back	6	462-A-205						Bronze 46-488
C ⊗	58	" Wedge—Main, Front, Inter & Back	8	462-A-206						Bronze 46-489
C	59	" " Bolt- Inter & Back	4	462-A-187	Steel Fur. nuts					
C	60	" " Bolt—Main, Front	4	462-B-187	Steel Fur. Nuts					
C	61	" " " Warsher	8	462-A-187	Steel	Fin. Sizes 1" / 4 x 2" x 2 7/16"				

(Group 46 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 46—FRAMES (Cont.)								
	1									
	2									
	3									
	4									
	5									
	6									
	7	**GROUP 47—FRAME DETAILS**								
	8	Frame Filling—Front								
	9	" " —Int.								
	10	" " —Back								
	11	" Wearing Plate (For Spr. Hanger)								
	12	Foot Plate								
	13	Front Deck Casting								
	14	Center Pin Guide								
	15	Back Head Brace								
	16	Expansion "								
	17									
	18									
	19									
	20									
	21									
	22									
	23	Ash Pan Crosstie								
	24	Brace Crosstie								
	25	" "								
	26	Center Pin Crosstie								
	27	Cylinder "								
	28	Furnace "								
	29	" "								
	30	Grate "								
	31	" "								
	32	Pedestal "								
	33	" "								
	34	" "								
	35	Radius Bar "								
	36	" " " Clamp								
	37	Waist Sheet "								
	38	" " "								
	39	" " "								
✓ ⊗	40	" " Front	1	472-A-628	Plate-Matl. Ord in P.D.					
✓ ⊗	41	" " Inter	1	472-A-630	Plate-Matl. Ord in P.D.					
✓ ⊗	42	" " Back	1	472-A-629	Plate-Matl. Ord in P.D.					
	43									
	44	Furnace Bearer								
	45	" " Brace								
	46	" " Clamp								
	47	" " Filling								
	48	" " Knee								
	49	" " Link								
	50	" " Plate								
✓	51	" " ~~Pat~~ Sheet Cover Plate	1	472-B-607	Plate Matl. Ord in P.D.					
✓	52	" " Sheet Liners-Front	1 set	472-B-607	Plate-Matl. Ord in P.D.					
✓	53	" " Sheet—Front	1	"	Plate-Matl. Ord in P.D.					
✓	54	" " " —Back	1	472-A-608	Plate-Matl Ord in P.D.					
✓	55	" " " " Liners	1 set	"	Matl. Ord in P.D.					
	56									
	57									
	58									
	59									
	60									
	61									

(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 47—FRAME DETAILS (Cont.)								
	1	Centering Device Arrangement								
	2	" " Body								
	3	" " Top Bearing								
	4	" " Shoe								
	5	" " Rod								
	6	" " " Stand								
	7	" " Spring Seat								
	8	" " Clamp								
	9	" " End Plates								
	10									
	11	Hinge Casting—L. P.								
	12	" " Bushing								
	13	" " Pin								
	14	" " " Keeper								
	15	" " —H. P.								
	16	" " Bushing								
	17	" " Pin								
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31	GR. 49—GAUGES, T'MPLATES & JIGS								
P	32	Standard Fixtures	1 Set	492-A-1219						
P	33	Layout Templets	"	492-A-1220						
P	34	Gauges	"	492-A-1222						
P	35	Drilling Jigs	"	492-A-1221						
P	36	Forging Templets	"	492-A-1223						
	37									
	38									
	39									
	40									
	41									
	42									
	43	GROUP 50—GUIDES								
P ⊗	44	Guide—~~Top~~ (4 Halves)	1-R 1-L	504-A-19		Matl. Ord. in P.D.	50-B-88			
	45	" —Bottom								
P ⊗	46	" Liner Front	2	504-A-19		Steel Plate	Fin. sizes 1/8 x 3 1/4 x 11 1/2"			
P ⊗	47	" " Back	2	504-A-19		" "	Fin. sizes 1/4 x 9 1/2 x 12 1/2"			
	48	" Yoke								
	49	" " Bracket								
P	50	" ~~End~~ Bolt Keys	4	152-K-28		Ord. in P.D.				
P	51	" " " "	8	152-J-28		Ord. in P.D.				
	52	" Filling								
	53	" Knee								
	54	" Block								
	55	" "								
P ⊗	56	" Yoke Sheet R.H.	1	503-A-153		Plate-Matl Ord. in P.D.				
P ⊗	57	" ~~Cover~~ " L.H	1	"		"				
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 51—GRATE ARRANGEMENTS								
	1	Grate Arrangement								
	2									
	3									
	4	**GROUP 52—GRATE DETAILS**								
	5	Grate Bar								
	6	" "								
	7	" "								
	8	" "								
	9	Dead Grate								
	10	" "								
	11	Grate Center Rail—Front								
	12	" " " —Back								
	13	" Side Rail—R.								
	14	" " " —L.								
	15	" Drop Plate								
	16	" " "								
	17	" " " Arm								
	18	" " " Crank								
	19	" " " Handle								
	20	" " " Lever								
	21	" " " Lock Pin								
	22	" " " Rod								
	23	" " " Shaft								
	24	" " " Support								
	25	" Shaft								
	26	" " Bearing								
	27	" " "								
	28	" Support								
	29	" "								
	30	" "								
	31	" Lock Pin								
	32	" Lever Catch								
	33	" " Cover								
	34	Rocking Bar Arm								
	35	" Grate Bar Connection								
	36	" " " "								
	37	" " " "								
	38	" " " "								
	39	" " " "								
	40	" " Handle								
	41	" " Hanger								
	42	" " Lever—Hand								
	43	" " " —Power								
	44									
	45	Grate Shaker Arrangement								
	46	" " Cylinder								
	47	" " " Support								
	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 53—HAND RAILS & STEPS								
	1	Hand Rail								
P	2	" " Balls	10	532-A-379			53-525			
P	3	" " Column	16	532-A-782				53-813		
P	4	" " " Cap.	16	"				53-646		
P	5	" " "	4	532-A-781				53-820		
P	6	" " " Cap	4	"				53-646		
P	7	" " "	4	532-B-782				53-651		
P	8	" " " Cap	4	"				53-646		
	9	" " "								
	10	" " "								
	11	" " " Washer								
	12	" " " "								
	13	" " " "								
	14	" " " "								
	15	" " "								
	16	" " "								
	17	Hand Rail Column Straps								
	18	" " " "								
	19	" " " "								
	20	" " " "								
	21									
	22									
	23									
	24									
	25									
	26									
P	27	Handles Sand Box	2	532-B-651		532-B-651				
	28	"								
	29	"								
	30	"								
P	31	Cab Handle	1-R 1-L	532-B-792	1¼" Tubing with Forged Steel	Ends 532-B-792				
P	32	" " Side of Cab	1-R 1-L	232-A-785		232-A-785				
P	33	" " Rear	2	532-A-790		532-A-790				
	34									
P	35	Dynamo Step - Upper	1	532-B-232				53-456		
P	36	~~Steps~~ " " Washers "	2	532-X 11				53-824		
P	37	~~Bell Step~~ " " - Lower	1	532-H-232				53-696		
P	38	" - ~~Brace~~ " Washer	1	532-E-394				53-823		
P ⊗	39	Bumper Step—Front	1-R 1-L	532-D-789	Plate-Matl Ordin P.D					
P ⊗	40	" " Brace	2	532-B-789		532-B-789				
P ⊗	41	Bumper Step—~~Back~~ "	2	532-C-789		532-C-789				
	42	" " Brace								
P	43	Head Light Step ~~Cab Step~~	1	533-A-54	Plate-Matl Ordin P.D					
P	44	" " ~~Brace~~ " Edge	1	" B-823	Matl. Ordin P.D					
P	45	~~Cylinder Step~~ " Bracket	1-R 1-L	532-~~A~~-~~781~~	"					
P	46	" " ~~Bracket~~ " Center	1	532-A-823		532-A-823				
P	47	Deck Step " " Sides	2	532-D-791		532-D-791				
	48	Dynoma Step								
P ⊗	49	Pilot ~~Engine~~ Step	2	533-A-~~40~~ 53	Matl. Ordin P.D	53-A-330				
P ⊗	50	" " ~~Brace~~ Bracket	1-R 1-L	532-~~A~~ B-788	Plate-Matl. Ordin P.D					
	51	Guide Step								
	52	Headlight Step								
	53	" "								
P ⊗	54	Pilot Step	1-R 1-L	533-A-~~40~~ 53	Plate-Matl Ordin P.D.					
P ⊗	55	" " Frame	1-R 1-L	"	Matl. Ordin P.D	53-A-~~339~~ 339				
P ⊗	56	Running Board Step R.S.	1	533-A-43	Plate-Matl Ordin P.D					
P ⊗	57	" " " L.S.	1	533-A-44	Plate-Matl. Ordin P.D.					
P ⊗	58	" " " ~~Brace~~ Tread	1-R 1-L	532-A-822	"	532-A-822				
P ⊗	59	" " " - "	1-R 1-L	532-B-822	"	532-B-822				
P ⊗	60	" " " "	1-R 1-L	532-C-822	"	532-C-822				
P ⊗	61	" " " "	1-R 1-L	532-A-821	"	532-A-821				
P ⊗	62	" " " Angle	1-R 1-L	533-A-43 533-A-44		53-A-343				

(Group 53 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 53—HAND RAILS & STEPS (Cont.)								
✓	1	Sand Box Step - Upper	2	532-E-232			53-636			
✓	2	" " " Washer	2	532-J-512			53-787			
✓	3	" " " Lower	2	532-H-232			53-696			
✓	4	~~Side Sheet~~ " Washer	2	532-J-512			53-787			
✓	5	Condut Clamp	5	542-A-677		542-A-677				
✓	6	" Cap	5	"		542-A-677				
✓	7	Receptacle Box (For HI-Speed Brake)	1	542-A-684					54-729	
✓	8	GR. 54—H'DLI'TS, Lamps, Plates, Etc. Ownership Plate Equip ~~Signal Fixtures—Location~~	2	544-B-38					54-742-A	
✓	9	Signal Lamp Bracket	2	542-A-669					54-720	
✓	10	" " " Clamp Wire	2	542-B-669						
✓	11	Classification ~~Flag Bracket~~ Lamp Bracket	1-R 1-L	542-A-681	Plate-Matl. Ordin P.D					
✓	12	Gangway ~~Socket~~ Lamp Guard	1	542-B-676						
✓	13	" ~~Box~~ " Receptacle Brkt.	1	542-A-676	Plate-Matl. Ordin P.D					
✓	14	~~Lamp Bracket~~ Conduit Clamp	1	542-B-677		542-B-677				
✓	15	" ~~Socket~~ " Cap	1			542-B-677				
✓	16	Headlight ~~Shell~~	1	Pyle Natl 20-C-Ex-1345	Ordin P.D					
✓	17	" Housing ~~Edge~~	1	543-A-114	Plate-Matl. Ordin P.D					
✓	18	" " ~~Bracket~~ Bolting Ring	1	"		54-A-100				
✓	19	" " ~~Handle~~ Conduit Fitting	1	542-A-673	Steel					
✓	20	~~Train Number Indicator~~ Conduit Clamp	1	542-C-677		542-C-677				
✓	21	Lamp (~~Steam Gauge~~) (Gauge Panel-RS)	1	Pyle Natl. MCGB-60	Ordin P.D					
✓	22	" Bracket	1	542-A-679	Furnish Clamps	542-A-679				
✓	23	" (Water Gauge) R.S	1	Pyle natl. MCNB-45	Ordin P.D					
✓	24	" Bracket	1	542-A-679	Furnish Clamps	542-A-679				
✓	25	" (~~Air Gauge~~) (Water Gauge) LS	1	Pyle. Natl. MCNB-45	Ordin P.D					
✓	26	" Bracket	1	542-A-679	Furnish Clamps	542-A-679				
✓	27	" Lubricator	1	Pyle-Natl. MCGB-60	Ordin P.D.					
✓	28	" Bracket	1	542-A-679	Furnish Clamps	542-A-679				
✓	29	" ~~Engineer's~~ (Gauge Panel-LS)	2	Pyle. Natl. MCGB-60	Ordin P.D.					
✓	30	" Bracket	2	542-A-679	Furnish Clamps	542-A-679				
✓	31	Eng ~~Number~~ Light Arrgt	2	543-A-115	Fur. Bolts, nuts Cotters Etc.					
✓	32	" ~~Frame~~ " Frame	2	542-A-670				54-721		
✓	33	" ~~(Pyrometer)~~ " Door	1-R 1-L	542-A-671					54-722-R.H 54-723-L.H	
✓	34	" ~~Bracket~~ " Glass-Clear	2	543-A-115	Ordin P.D					
✓	35	" (~~Feed Water Gauge~~) " Frosted	2	"	"					
✓	36	" ~~Bracket~~ " Door Packing	2	"	"					
✓	37	Number Plate	1	542-A-680						
✓	38	" " Figures	1 set	543-A-41	Cast Aluminum		54-725			
✓	39	Builder's Card	2	543-A-16						
✓	40	Patent ~~Name Plate~~ Air Reservoir Support	2	542-A-674					54-158	
✓	41	Patent Plate—Superheater	1	Superheater Co. 4-L-3831-E	Furnished With Superheater				54-724	
✓	42	" " - Reid Steam Pipe Casing	2	542-B-466						
✓	43	Dynamo Bracket	1	542-A-668	Plate-Matl. Ordin P.D	542-A-668			Aluminum 54-699	
✓	44	Electric Wiring {54-MO.150 - Fur. By RR; 54-MO-152-D} Fur. By Loco. {54-MO.162}	1	548-A-11	Matl. Ord. in P.D					
✓	45	Eng. Number Light Frame Packing	2	543-A-115	Ord. in P.D					
✓	46	" " " Glass Spring	4	542-A-672						
✓	47	" " " Door Latch	2	542-B-672	Wing, nut & Washer Ord. in P.D	542-B-672				
✓	48	" " " Spring Retainer	2	542-C-672		542-C-672				
✓	49	Train Number Lamp Case	1-R 1-L	543-A-112	Plate-Matl. Ord. in P.D.					
✓	50	" " Number "	2	542-A-675	Ord. in P.D.					
✓	51	" " Lamp	1-R 1-L	543-A-116	Ord. in P.D. Complete					
✓	52	Valve Marker Name Plate-W. Gauge	1	542-A-667					Aluminum 54-711	
✓	53	" " " " -Dynamo	1	542-B-667					Aluminum 54-712	
✓	54	" " " " -Lubricator	1	542-C-667					Aluminum 54-713	
✓	55	" " " " St. Heat	1	542-D-667					Aluminum 54-714	
✓	56	" " " " Power Rev.	1	542-E-667					Aluminum 54-715	
✓	57	" " " " Air Pump	1	542-F-667					Aluminum 54-716	
✓	58	" " " " Inj. Steam	1	542-H-667					Aluminum 54-717	
✓	59	" " " " F.W. Heater	1	542-J-667					Aluminum 54-718	
✓	60	" " " " Oil Manifold	1	542-K-667					Aluminum 54-719	
✓	61	Dynamo Bracket Washers	4	532-J-11			53-242			

54 Group continued on Page 56

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water								
P	1	Injector - Nathan NL Type 1918-B	1	Nathan MFG.Co DWG 3740	Ordin P.D.					
P	2	" Bracket	1	552-A-414	Plate-matl. Ordin P.D.					
P	3	" Check NATHAN Type 287-A-2½"	1	Nathan Mfg. Co DWG. 3738	Ordin P.D.					
P	4	" " ~~Valve~~ " " F.W.R-2½"	1	Nathan Mfg. Co Dwg 3737-A	Ordin P.D.					
	5	" " Cap								
	6	" " Nut								
	7	" " Sleeve								
	8	" " Flange								
	9	" " Baffle Plate								
P	10	" Extension Handle (Cab Stand)	1	S.P. Dwg. AL-13105-C	Ordin P.D.					
P	11	" " Starting Valve Handle Support	1	552-C-397	Plate-matl. Ordin P.D.					
P	12	" ~~Universal Joint~~ " Type 3540	1	2½" Nathan Dwg. 3704	Ordin P.D.					
P	13	Delivery Flange " Pipe ~~Connection~~	6	632-C-986				63-1218		
P	14	" " " Joint Ring	3	792-A-155					79-896	
P	15	Injector Overflow ~~Delivery Pipe Coupling Nut~~ Spreader	1	552-A-410			55-472			
P	16	" - " ~~Sleeve~~ " Support	1	552-A-415		552-A-415	May change			
P	17	" - " - " "U-Bolt	1	632-A-1124	Furnish Nuts	632-A-1124				
	18									
P	19	Feed Hose 4½"	2	S.P. Dwg. AL-12172-M	Ordin P.D					
P	20	F.W. Heater Gauge Line Con.	1	632-B-1114	Stick Brass					
P	21	" " ~~Clamp~~ " " " Nut	2	632-B-1112	" "					
	22	" Pipe Hanger								
P	23	Strainer	1	S.P. Dwg. DL-14288-A	Ordin P.D.					
P	24	F.W. Heater Gauge Line Conn ~~Body~~	~~1~~ 2	632-C-1113	Stick Brass					
P	25	" ~~Cap~~ " " " " nut	~~2~~ 3	632-B-1112	" "					
P	26	" ~~Nut~~ " " " " Elbow	1	632-B-1109					63-1308	
P	27	" ~~Sleeve~~ " " " " Nipple	1	1" Std. Ex. Hvy 4 Pipe Nipple						
P	28	Strainer ~~Swivel~~ Coupling nut Locks	2	552-B-411		552-B-411				
P	29	Strainer ~~Coupling Nut~~ " " -	2	552-A-411					55-474	
P	30	" " " ~~Sleeve~~ Connection	2	552-A-408					55-473	
P	31	" " " " Gasket	2	"	Ordin P.D.					
P	32	" Support	1	552-C-413		552-C-413				
P	33	" " U-Bolt	1	552-A-413	Furnish Nuts & Spacers	552-A-413				
P	34	" Pipe Elbow	1	632-A-1263				63-1383		
P	35	Feed Water Heater Gasket	1	552-A-428	⅛" Kearsarge matl. Ordin P.D.					
P	36	Feed Water Heater - Type 5-SA	1	S.P. Dwg. Dy-70680	Ordin P.D					
P	37	" " " Support	1	553-A-95	Plate-matl. Ordin P.D					
P	38	" " " Pump - Hot Water	1	S.P. Dwg. Dy-66610	Ordin P.D					
P	39	" " " " Bracket	1	553-A-94	Plate-matl Ordin P.D.					
P	40	" " " " " Brace	1	"	" "					
P	41	" " " " " "	2	"		55-A-82				
P	42	" " " Pump-Cold Water	1	S.P. DWG. 3K 59322	Ordin P.D					
P	43	" " " Cold Pump Suction Flange	1	552-A-409					55-468	
P	44	" " " " " " Flange Ring Joint	1	792-L-128					79-124	
P	45	" " " Heating Line Choce	2	632-~~B~~E-1115	1" Choke 8 Steel					
P	46	" " " Exhaust Pipe-Upper-	1	553-A-92			55-464			
P	47	" " " " " " - Lower	1	"			55-465			
P	48	" " " " " Joint Ring	2	792-D-123	Bet. Header & Pipe & Bet. Pipes		79-119			
P	49	" " " " " " " "	1	792-E-123	Bet. Pipe & Exhaust Pipe		79-119			
P ⊗	50	" " " Suction Pipe-Upper	1	554-A-17			55-469			
P ⊗	51	" " " " " Elbow	1	"				55-485		
P ⊗	52	" " " " " - Lower	1	"			55-470-A			
P	53	" " " " " Joint Ring	1	792-D-123	Bet. Header & Pipe		79-119			
P	54	" " " " " " " "	1	792-E-123	Bet. Pipe & Elbow		79-119			
P	55	" " " " " " " "	1	792-D-123	Bet. Elbow & Lower Pipe.		79-119			
P	56	" " " " " " " "	1	792-Y-97	Bet. Pipe & Hot Pump		79-923			
P	57	" " " Hot Pump Discharge El.	1	552-A-407				55-467		
P	58	" " " " " " Joint Ring	1	792-U-119					79-896	
P	59	" " " " " " Flange	1	632-A-1116				63-1312		
P	60	" " " " " " Joint Ring	1	792-U-119					79-896	
	61									

(Group 55 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water (Cont).								
P	1	Feed Water Heater Lub. Line Connector (At St. Pipe)	1	632-A-1113	Stick Brass					
P	2	" " " " " Nut	1	632-A-1112	" "					
P	3	" " " " " Nipple	1	1" Std. Ex Hvy 2 Pipe Nipple						
P	4	" " " Gauge Fitting (At Gauge)	1	632-C-1113	Stick Brass					
P	5	" " " " " Nut	1	632-B-1112	" "					
P	6	" " " " " (In Line)	1	632-C-1113	" "					
P	7	" " " " " Nut	1	632-B-1112	" "					
P	8	" " " " " Nipple	1	632-B-1115	1" Choke 32 steel					
P	9	" " " Thermometer Well	1	552-D-154	Stick Brass Fur. Pipe Cap					
P	10	" " " Hot Pump Discharge Flange	2	632-C-986				63-1218		
P	11	" " " " " " Joint Ring	1	792-A-155					79-896	
P	12	F.W. Heater Cold Pump Discharge Joint Ring	1	792-U-119	At Pump				79-896	
P	13	" " " " " Flange	1	632-A-1063	" "			63-1262		
P	14	" " " " " Joint	10	632-C-986	In Line			63-1218		
P	15	" " " " " " Ring	5	792-A-155	" "				79-896	
P	16	" " " " " Elbow	1	632-A-1137	At Smoke Box	63-1327				
P	17	" " " " " "	1	632-A-1099	" " "	63-1288				
P	18	" " " " " Sleeves	4	632-B-1099	" " "				63-1289	
P	19	" " " " " Nuts	4	"	" " "				63-1290	
P	20	" " Hot Pump Exhaust Elbow	1	633-C-44	At Smoke Box	63-1297				
P	21	" " " " " Sleeves	2	633-A-44	" " "				63-1294	
P	22	" " " " " Nuts	2	"	" " "				63-1295	
P	23	" " Air Vent Drain Elbow	1	633-C-44	" " "	63-1297				
P	24	" " " " " Sleeves	2	633-A-44	" " "				63-1294	
P	25	" " " " " Nuts	2	"	" " "				63-1295	
P	26	" " " " " Choke	1	632-E-1052	Stick Brass					
P	27	" " Hot Pump Exh Drain Choke	1	632-D-1052	" "					
P	28	" " " " Line To Steam Pipe Connection	2	632-D-1113	" "					
P	29	" " " " " " " " Nut	2	632-B-1112	" "					
P	30	" " " " " " " " Nipple	2	3" Std. Ex Hvy. 8 Pipe Nipple						
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 57—LAGGING & JACKET**								
P	37	Lagging (Boiler)	1 set	For Skyline Casing & Details See Page 56 572-A-171 Ordin P.D						
	38	" Panel								
P	39	Jacket Frame - Backhead	1 set	572-A-185		572-A-185				
	40	" "								
P	41	Jacket ~~Angle Iron~~ (Boiler)	15	#20 U.S. Gauge-AAR. Spec. M-117-35-60x120" Ordin P.D						
P	42	Jacket (Boiler) Under Skyline Casing	10	#20 US Gauge AAR. Spec. M-117-35-48"x120" Ordin P.D						
P	43	Jacket (Boiler)	26	#20 Gauge-AAR Spec. M-117-35-48"x120" Ordin P.D.						
P	44	" Clamp ~~Band~~	12	572-A-68	Furnish nuts	572-A-68				
P	45	" Clamp	160	572-B-64	Taken from stock	~~572-B-64~~				
P	46	" Draw ~~Clamp~~ Studs	10	572-A-184	Bar steel					
P	47	" " Lugs	2	572-B-184		572-B-184				
P	48	Plug Casing	28	572-A-6	Taken from stock					
P	49	" "	4	572-K-107					57-4	
P	50	" Cover	24	572-L-58	Ordin P.D			57-41		
P	51	Cylinder Lagging		Use Boiler Scrap						
P	52	" Jacket	2	#14 U.S. Gauge-AAR Spec. M-117-35-48"x120" Ordin P.D						
P	53	Booster Steam ~~Gauge Cock Casing~~ Pipe Casing	15	#28 US Gauge 30"x96" Ordin P.D						
P	54	Boiler Test Plate Casing	1	572-A-63						
P	55	Water Column Stud Casing	1	572-B-21				57-63		
P	56	" Gauge " "	1	572-A-6				57-55		
P	57	Injector Check Casing	2	572-W-6				57-4		
P	58	Jacket Nuts	84	322-D-112				57-125		
P	59	Pipe Covering Material	1	57-MO-49B Mat'l Ordin P.D		32-112				
P	60	Oil Spud Inspection Slide & Cover	2	572-A-121	Jacket Steel					
A	61	Cyl. Head Casing Nuts	2	322-F-112	Stick Brass					

54 Group continue on page 56

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
P ⊗	1	Link	1-R 1-L	583-A-92	Matl. Ordin P.D	58-A-204				
P ⊗	2	" Block	1-R 1-L	"	3 1/4" x 3 9/16" x 5 5/8" Fin. Sizes					
P ⊗	3	" " Bushings	2	"					Bronze 58-417	
P ⊗	4	" Cheeks Inside / Outside	2	"				58-415		
P ⊗	5	" ~~Filling~~ Trunnion Bushing	4	152-A-29	Bar Stock					
P ⊗	6	" ~~Plate~~ Tail Bushing	2	583-A-92					Bronze 58-418	
	7	" Saddle								
	8	" " Pin								
	9	" " Bushings								
P ⊗	10	" Support R.H.	1	587-A-6	Furnish Dowels			58-428		
P ⊗	11	" " Bushings "	2	"					58-411	
P ⊗	12	Motion Bearer ~~Crosstie~~	1	582-A-461	Matl. Ordin P.D.					
	13	" " Knee								
P ⊗	14	Radius Rod—~~Front Section~~	1-R 1-L	582-E-445	Matl. Ord in P.D.	582-E-445				
P ⊗	15	" " ~~Rear~~ Bushing	2	582-D-445					Bronze 58-412	
P ⊗	16	" " Lifting Link	1-R 1-L	582-A-457		582-A-457				
P ⊗	17	Combination Lever	1-R 1-L	582-A-458	Matl. Ordin P.D.	582-A-458				
P ⊗	18	" " Bushings	2	582-C-458					Bronze 58-413	
P ⊗	19	" " Pin	2	582-B-458	Steel- Fur. Taper Pins					
P ⊗	20	Union Link	1-R 1-L	582-D-446	Matl. Ordin P.D.	582-D-446				
P ⊗	21	" " Pin	2	582-B-446	Steel-Fur- nut. Dowel, Etc.					
P ⊗	22	" " Bushings	1-R 1-L	582-C-446					Bronze 58-414	
	23	Slide Block								
	24	" " Cap								
	25	" " Bottom								
P ⊗	26	Radius Rod Lifting " " Trunnions Link Bushing	2	582-C-457					Bronze 58-419	
P ⊗	27	" " Liners " " Pin	2	582-B-457	Steel-Furn. Dowel, nut & Taper Pin					
P ⊗	28	Link Support L.H	1	587-A-7	Furnish Dowel			58-429		
P ⊗	29	" " " Bushing "	2	"					58-411	
P	30	~~Transmission Bar~~ " Blocking Bolt	2	152-C-27	Furnish Nut & Cotter					
P	31	" " " ~~Hanger~~ " " Sleeve	2	"	Steel					
P	32	" " " ~~Link~~ " " Eye Bolt	4	152-B-27	"					
	33	" " Pin								
	34	Baker Valve Gear Frame Drilling								
	35	" " " " Extension								
P	36	Combination Lever Pin	2	582-A-458	Furnish Taper Pin-Steel					
P ⊗	37	Radius Rod Pin	2	582-B-445	Steel- Furn. Nut, Dowel, Etc.					
P ⊗	38	" " "	2	582-C-445	Steel- Fur. Taper Pins					
	39									
	40	**GROUP 59—Oil Cups & Lubricator**								
	41	Oil Cups								
P	42	Crosshead ~~Oil Cup~~ Arm Grease Fitting	2	3/8" Alemite No 1396	Ordin P.D.					
P	43	" " " ~~Cap~~ " " Plug	2	592-B-602	Steel					
P	44	Combination Lever " " " ~~Nut~~ Grease Fitting	2	3/8" Alemite No 1396	Ordin P.D.					
P	45	" " " ~~Stem~~ " " Plug	2	592-B-602	Steel					
P	46	Eng. Truck Center Pin Grease Fitt	1	3/8" Alemite No 1396	Ordin P.D.					
	47	Eng. Truck Oil Cup								
	48	" " " " Cap								
	49	" " " " Nut								
	50	" " " " Stem								
P	51	" " Center Pin Grease Piping	1	592-A-637						
P	52	Ecc. Rod ~~Oil Cup~~ Grease Plug	2	592-A-639	Steel					
P	53	" " " " ~~Cap~~ " Pin	2	"	5/16" Rivet					
P	54	" " " " ~~Nut~~ " Spring	2	592-A-641	Ordin P.D.					
P	55	" " " " Stem " " Seat	2	592-A-639	Plate					
P	56	Driving Box Grease Fitting	24	3/8" Alemite No 1396	Ordin P.D.					
	57	Guide Oil Cup								
	58	" " " Cap								
	59	" " " Nut								
	60	" " " Stem								
	61									

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubricator (Cont.)								
P	1	Link ~~Oil Cup~~ Grease Fitting	2	3/8" Alemite No 1396	Ordin P.D					
P	2	" " " ~~Cap~~ " " Plug	2	592-C-602	Steel					
P	3	" " " ~~Nut~~ " " "	1							
	4	" " " Stem								
P	5	" Block Grease Fitting	6	3/8" Alemite No 1396	Ordin P.D					
P	6	Link Lifter ~~Oil Cup~~ Grease Fitting	2	3/8" Alemite No 1396	Ordin P.D.					
P	7	" " " " ~~Cap~~ " " Plug	2	592-B-602	Steel					
P	8	" Trunnion " " ~~Nut~~	4	3/8" Alemite No 1396	Ord. in P.D.					
P	9	" " " " ~~Stem~~ " " Plug	3	592-B-602	Steel					
P	10	" " " " "	1	592-E-602	"					
P	11	~~Radius Rod Oil Cup~~ " Piping	1-R 1-L	592-A-676						
P	12	Radius Rod ~~Cap~~ " Fitting	2	3/8" Alemite No 1396	Ordin P.D					
P	13	" " " " ~~Nut~~ " " Plug	2	592-B-602	Steel					
	14	" " " " Stem								
P	15	Crosshead Pin Grease Plug	2	592-A-639						
P	16	~~Rockshaft Oil Cup~~ " " " Pin	2	"	5/16" Rivet					
P	17	" " " " ~~Cap~~ " " " Spring	2	592-A-641	Ordin P.D					
P	18	" " " " ~~Nut~~ " " " " Seat	2	592-A-639	Plate					
	19	" " " Stem								
	20									
P	21	Rev. Shaft ~~Oil Cup~~ Grease Fitting	2	3/8" Alemite No 1396	Ordin P.D					
P	22	" " " ~~Cap~~ Bearing Grease Fitting	2	3/8" Alemite No 1396	"					
P	23	" " " " ~~Nut~~ " " Plug	2	592-B-602	Steel					
P	24	" " Arm ~~Stem~~ " " "	2	592-B-602	"					
P	25	" " " " " "	2	3/8" Alemite No 1396	Ord. in P.D.					
P	26	Intermediate ~~Transmission Oil Cup~~ Crank Pin Grease Plug	2	592-A-642	Steel					
P	27	" " " ~~Cap~~ " " " Pin	2	"	5/16" Rivet					
P	28	" " " ~~Nut~~ " " " Spring	2	592-A-641	Ordin P.D					
P	29	" " " ~~Stem~~ Crank Pin Grease Plug Spring Pin	2	592-A-642	Steel					
	30									
P	31	Flange Lubricator (Engr Trail. Truck) ~~Piston Rod Oil Cup~~ Needle Valve Body	4	592-A-644	Furn. Mach. Screws					59-398
P	32	" " " " ~~Cap~~ Oil Cup	4	"	Galv. Iron.					
P	33	" " " " ~~Nut~~ " " Cap	4	"	Gal. Iron					
P	34	" " " " ~~Stem~~ Needle Valve	4	"	Furn. Chain Furn. Nut					
P	35	" " " " " Spring	4	"	Stick Brass					
P	36	" ~~Valve Stem Oil Cup~~ " " Handle	4	262-E-340	Ordin P.D.					
P	37	Mech. Lubricator " " " ~~Bracket~~ Piping Indiator	1	592-A-653	"					
P	38	" " " " ~~Cap~~ " " Brkts	2	592-B-653	Steel	592-B-653				
P	39	" " " " ~~Nut~~ " " Plate	1	592-A-653	Brass					
	40	" " " " Stem								
P	41	Main Rod Grease Plug	2	592-A-639	Steel					
P	42	Main Rod Grease ~~Cap~~ Plug Pin	2	"	5/16" Rivet					
P	43	" " " " " Spring	2	592-A-641	Ordin P.D.					
P	44	" " " " ~~Cap~~ " " Seat	2	592-A-639	Plate					
P	45	MAIN CRANK PIN GREASE PLUG	2	592-A-640	Steel					
P	46	" " " " ~~Stem~~ " " " Pin	2	"	5/16" Rivet					
P	47	" " " " ~~Plug~~ " " " Spring	2	592-A-641	Ordin P.D					
P	48	" " " " " " " Seat	2	592-A-640	Plate					
P	49	Side Rod Grease ~~Cup~~ Plug	8	592-A-639	Steel					
P	50	" " " " ~~Cap~~ " Pin	8	"	5/16" Rivet					
P	51	" " " " ~~Nut~~ " Spring	8	592-A-641	Ordin P.D.					
P	52	" " " " ~~Stem~~ " " Seat	8	592-A-639	Plate					
	53	" " " " Plug								
P	54	" " Knuckle Pin Grease Fitting	4	3/8" Alemite No 1396	Ord. in P.D.					
	55	Trailer Truck Oil Cup								
P	56	Throttle Compensating Lever ~~Cap~~ Fitting	2	1/4" Alemite #1401	Ord. in P.D.					
P	57	" " " Brg. "	1	1/4" Alemite #1401	Ord. in P.D					
P	58	Throttle Lever Support Oil Cup	1	592-R-223	Steel					
	59	" " " " " Cap								
P	60	" " " Grease Fitting	1	1/4" Alemite #1401	Ord. in P.D.					
P	61	" " Crank " "	1	1/4" Alemite #1401	Ord. in P.D					

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubri. (Cont.)								
P	1	Valve Rod Crosshead Guide ~~Oil Cup~~ Grease Fitting	4	3/8" Alemite No. 1396	Ord. in P.D.					
	2	" " " " " " Cap								
P ⊗	3	Flange Lubricator Rod-Driver Nut	2	592-H-646		592-H-646				
	4	" " " " " " Stem								
P	5	Valve Rod Crosshead Grease Fitting	4	3/8" Alemite No. 1396	Ord. in P.D.					
P	6	" " " " " Pipes	4	942-A-220	Commercial					
P	7	Oil Can Holder	1	592-A-638	Plate-Matl. Ord in P.D.					
P	8	" " " Support	3	"		59-D-119				
P	9	" " " Edge	1	"		59-A-123				
P ⊗	10	Lubricator Arrgt.-Mech'l.	1	597-A-19						
P ⊗	11	" Rod Stud	1	592-A-631	Steel-Fur. Nut & Cotter					
P ⊗	12	" " " Washer	1	"	Steel					
P ⊗	13	" "	1	592-E-635	Pipe					
P	14	Continued On Page 34								
P	15	Lubricator Nathan 3F-5P Type 1918 Hydrostatic	1	S.P. DWG. CL-16541	Nathan DWG 2578 Ord in P.D.					
P	16	" Support Washers	2	532-E-11			53-169			
P	17	" Support	1	592-A-643		592-A-643				
P	18	Lubricator Brace Nathan 8F-20P-DV-4 Mechanical	1	Nathan Mfg. Co DWG. 3651	Ord in P.D.					
3	19	Flange Lubricator Rod Trailer Engine Driver	6 W 4	592-E-646		592-E-646				
P	20	Flange Lubricator Oil Cup-Driver	1	592-A-645			59-540			
P	21	" " Support " Cap "	1	"			59-541			
P ⊗	22	" " " Oil Pipe Clamp "	2	632-J-1125	Furnish Caps	632-J-1125				
P ⊗	23	" " " " " " "	2	632-S-1125	Furnish Caps	632-S-1125				
P	24	Cyl. Oil Pipe Fitting	2	592-A-627	Stick Brass					
P	25	Steam Chest Oil Plug	2	592-A-629	Steel					
P	26	" " " " Choke Fitting	2	592-B-629	"					
P ⊗	27	Flange Lubricator ~~Bell Ringer Oil Cup~~ Arrgt.-Driver	1	593-A-54						
P	28	Radial Buffer ~~Oil Cup~~ Grease Fitting	2	3/8" Alemite No. 1396	Ord. in P.D					
P ⊗	29	Flange Lub. Oil Pipe Clamp-Driver	1-R 1-L	592-A-679		592-A-679				
P ⊗	30	" " " " " Cap "	2	592-C-679		592-C-679				
	31	**GROUP 60—Oil Burning Attachments**								
J	32	Oil Burning Arrangement	1	608-A-3						
P	33	Oil Burner 3½"	1	603-A-29						60-30-C
P	34	" " ~~Lip~~ Hood	1	602-A-64			60-82			
P	35	" " Support	1	602-A-66		602-A-66				
P	36	" ~~Feed Quadrant~~ " Clamp	1	608-A-3	1" Forged Sizes 1" x 2" x 8"					
P	37	" ~~Operating Handle~~ " Thimbles	2	"	1" Pipe					
P	38	" Heater	1	603-A-31						
P	39	" " Ends	2	"	Reducers Ord. in P.D					
P	40	" " Nuts	1	"	Pipe cap Ord. in P.D.					
P	41	" " ~~Bushing~~ Stuffing Box	1	"						60-79
P	42	" " ~~Sleeve~~ Gland	1	"						60-80
P	43	" " ~~Casing~~ Bushing	1	"						60-78
P	44	" " Support Front	1	602-A-70		602-A-70				
P	45	" " "Clamp "	1	"		602-A-70				
P	46	" " Support-Back	1	602-B-70		602-B-70				
P	47	" " " Clamp "	1	602-B-70		602-B-70				
	48									
J	49	Oil Feed Cock Body	1	603-A-30						60-76
P	50	" " " Valve	1	"						60-75
P	51	" " " " Stem Gland	1	"						60-74
P	52	" " " " " Pkg. Gland	1	"						60-72
P	53	" " " " " " " Nut	1	"						60-73
P	54	" " " " Spring	1	"	Ord. in P.D.					
P	55	" Burner Manifold	1	602-A-63	Matl.			60-77		
P	56	" Heater Cover ~~GROUP 61—PAINTING~~	1	603-A-31	Ord in P.D					
P	57	~~Lettering~~ " " Lugs	14	"						60-81
	58	~~Numbering~~								
P	59	Oil Burning Details - Continued on Page 34								
	60									
	61									

For Future make 12" Dimension 3" Longer with 9/16" Hole 3½" in from End. Use This Extension To support ½" Atomizer Pipe

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		Group 59-Oil Cups & Lubr. cont ~~GROUP 72 RODS Main and Side~~								
P	1	Lubricator ~~Rods—Main~~ Rod Pin	1	592-D-635	Furnish with Lubricator					
P	2	~~Front Stub~~ " End	1	592-A-635	"					
P	3	" " ~~Strap~~ " Jaw	1	592-B-635	"					
P ⊗	4	" " ~~Key~~ Term. Check Bracket	2	592-A-633		592-A-633				
P ⊗	5	" " ~~Washer~~ " " "	1-R 1-L	592-B-633		592-B-633				
P ⊗	6	" " ~~Brass~~ Oil Pipe Support	1	592-A-634	Furnish Cap	592-A-634				
	7	" " "								
P ⊗	8	Eng. Truck Flange Oiler Arrgt	1-R 1-L	593-A-53						
	9	~~Main Stub~~								
P	10	" " ~~Strap~~ " " Pipe Clamp	1-R 1-L	592-F-646		592-F-646				
P	11	" " ~~Wedge~~ " " " " Cap	2	592-D-646		592-D-646				
P	12	" " ~~Filling~~ " " Pipe Clamp	2	592-C-646		592-C-646				
P	13	" " ~~Brass~~ " " " " Cap	2	592-D-646		592-D-646				
P	14	" " " " " Flex. Hose	2	593-A-53	Ord. in P.D					
	15	" " " Grooves								
	16									
P	17	Trailer Truck Flange Oiler Arrgt.	1-R 1-L	593-A-50						
P	18	" " " " Pipe Clamp	2	592-B-646		592-B-646				
P	19	" " " " " " Cap	2	592-D-646		592-D-646				
P	20	~~Rods—Side—Front~~ " " " Clamp	2	633-D-15		533-D-15				
P	21	~~Front Stub~~ " " " Flex. Hose	2	593-A-50	Ord in P.D	None used on Trailer				
	22	" " Strap								
	23	" " Key								
	24	" " Filling								
	25	" " Brass								
P	26	Oil Burning Details								
P	27	Oil Feed Safety Cut out Arrgt	1	380-D-72-A. (Superceded By 603-A-36)	Cable - Mati. Ord in P.D					
P	28	~~Rods—Side—Int.~~ " Cable Eye	1	"	Furnish Nuts	380-S-117				
P	29	~~Inter. Stub~~ " " Hook	1	"	Galv. Steel mati. Ord in P.D	380-D-72-A				
P	30	" " ~~Strap~~ " " Pulley	1	"						60-32
P	31	" " ~~Key~~ " " Conduit Clamps	2	"	Furnish Nuts	380-S-116				
P	32	" " ~~Filling~~ " " Pulley	1	"	Ord in P.D					
P	33	" " ~~Brass~~ " " " Bracket	1	602-B-41	Furnish Pin					60-31
	34									
	35	Rods—Side—Main								
P	36	Oil Regulator ~~Main Stub~~ Handle	1	603-A-33	Furnish Pins					60-49
P	37	" " ~~Strap~~ " Latch Handle	1	"						60-48
P	38	" " ~~Key~~ " "	1	"		600-S-31				
P	39	" " ~~Filling~~ " " Link	1	"	Steel					
P	40	" " ~~Brass~~ " " Spring	1	"	Ord in P.D					
P	41	" " " " Handle Pin	1	"	Steel Furn. Cotter					
P	42	~~Rods—Side—Back~~ " " Link Pin	1	"	"					
P	43	~~Back Stub~~ " " Stop Bolt	1	"	Steel					
P	44	" " ~~Strap~~ " " Body	1	"	"					
P	45	" " ~~Key~~ " " Pin	1	"	"					
P	46	" " ~~Filling~~ " " Bolt Thumbnut	1	"						60-47
P	47	" " ~~Brass~~ " Quadrant	1	"	Plate					
P	48	Oil Burning Manifold Casing	1	602-B-68	Plate - mati Ord. in P.D					60-85
P	49	~~Knuckle Pin~~ " " Name Plate	1	602-A-68						
P	50	" " ~~Bushing~~ " & Regulator Support	1	602-A-67						60-83
P	51	" Regulator ~~Arm~~ Shaft	1	602-A-69		602-A-69				
	52									
	53	Side Rod Grease Grooves								
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT								
P ⊗	1	Pilot Arrangement	1	627-A-~~4~~ 5						
P	2	" ~~Rail~~	1	624-A-12	Matl. Ord in P.D					
P	3	" ~~Bracket~~ Material Order	1	62-MO-2-A						
P	4	" Bottom ~~Plate~~ Angle	1	624-A-12		62-A-74				
P	5	" ~~Corner Iron~~ Knee - Center	1	622-A-51				62-38		
P	6	" Knee - Sides	2	622-B-51				62-35		
	7	" Strap								
	8	" Brace								
	9	" "								
P	10	Pipe Protection Collars (3-½" Thru copper)	3	632-E-1131					63-1402	
P	11	"~~Rail Guard~~" " (2-⅜" " Peck	2	632-F-1131					63-1403	
P	12	Dynamo Valve Elbow Satur Turret	1	632-A-1231					63-1367	
	13	Snow Plow								
P	14	Air Brake Governor Pipe Connector	2	632-B-1114	Stick Brass					
P	15	" " Signal Line Fitting Nut	2	632-B-1112	" "					
P	16	" " " " " Connector	2	632-C-1113	" "					
P	17	" " " " " Nipples	2	¼" Std. Ex Hvy 4 Pipe Nipples						
P	18	" " Reducing Valve & Equal. Res. Fitting Nuts	4	632-A-1112	Stick Brass					
P	19	" " " " Connectors	4	632-F-1113	" "					
P	20	" " " " Nipples	4	⅜" Std. Ex. Hvy. 8 Pipe Nipples						
	21	**GROUP 63—PIPE FITTINGS**								
P	22	Air ~~Gauge Fitting~~ Brake Cyl. Gauge Line Fitting EL	1	632-B-1109					63-1308	
P	23	" " " ~~Nut~~ " " " Nut	~~1~~ 4	632-B-1112	Stick Brass					
P	24	" " " ~~Swivel~~" " " Connector	~~1~~ 3	632-C-1113	" "					
P	25	" " " " " " Nipple	1	¼" Std. Ex. Hvy. 4 Pipe Nipples						
P	26	Air Pump Oil Fitting Connector At Steam Pipe	1	632-A-1113	Stick Brass					
P	27	" " " " Nut	1	632-A-1112	" "					
P	28	" " " " ~~Swivel~~ Nipple	1	¼" Std. Ex. Hvy. ½ Pipe Nipples						
P	29	" " ~~Elbow~~ " Elbow - In Line	2	632-C-1109					63-1303	
P	30	" " " ~~Angle Valve Nut~~ " Nuts	4	632-A-1112	Stick Brass					
P	31	" " " ~~Swivel~~ Connectors	2	632-A-1113	" "					
P	32	" " " " Nipples	2	¼" Std. Ex. Hvy. ½ Pipe Nipples						
P	33	Air Pump Governor ~~Angle Valve Nut~~ Line Elbows	2	632-B-1109					63-1308	
P	34	" " ~~Swivel~~ " " Nuts	~~8~~ 15	632-B-1112	Stick Brass					
P	35	" " " " Connectors	~~2~~ 9	632-C-1113	" "					
P	36	" " ~~Ash Pan Valve Nut~~ " " Nipples	2	¼" Std. Ex. Hvy. 4 Pipe Nipples						
P	37	Air Brake Cyl. ~~Swivel~~ Gauge Line Union Sleeve	1	632-B-1114	Stick Brass					
P	38	" " " " " " Nuts	2	632-B-1112	" "					
P	39	Bell Ringer Fitting	8	632-B-1113	" "					
P	40	" " " Nut	14	632-C-1112	" "					
P	41	" " " " ~~Swivel~~	1	632-F-1112	" "					
P	42	" " " Tee	1	632-B-1110					63-1310	
P	43	" " ~~Booster Turret~~ " Valve Elbow	3	632-A-1109					63-1307	
P	44	" " " Union Sleeve	1	632-C-1114	Stick Brass					
	45									
P	46	Blower Fitting	1	632-B-734					63-1313	
P	47	Pipe Protection Collars Inj. Steam	2	632-D-1131					63-1324	
P	48	" ~~Pipe~~ Flanges - " " Halves	2	632-A-1129					63-1316	
P	49	" " ~~Nut~~ Power Rev. Halves	2	632-D-1129					63-1319	
P	50	Booster Steam Pipe Elbow At Turret	1	632-T-243					63-496	
P	51	Pipe Flange - Water Col. Halves	2	632-B-1129					63-1317	
P	52	" Protection Collar " "	2	632-B-1131					63-1322	
P	53	" ~~Pipe~~ Flange ~~Washer~~ - Lub. Steam Halves	2	632-C-1129					63-1318	
P	54	" ~~Pipe~~ Protection Collar " "	2	632-A-1131					63-1321	
P	55	" ~~Pipe~~ Flange - L.H. Water Glass Halves	2	632-D-1129					63-1319	
P	56	" ~~Pipe~~ Protection ~~Swivel~~ Collar " "	2	632-C-1131					63-1323	
P	57	" ~~Pipe~~ Flanges ~~Elbow~~ - Inj. Steam	4	632-B-1019				63-1219		
P	58	" " ~~Blow-off Cock Nut~~ Swivel " "	4	"					Brazing Metal 63-1221	
P	59	" " ~~Swivel~~ Joint Ring " "	2	792-N-119					79-977	
P	60	Cab Heater Choke	2	632-A-1139	Stick Brass					
P	61	" " Drain Pipe Tip	2	632-B-1139	" "					

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
	1	Coal Sprinkler Fitting	1	642-A-82						
	2	" " " Thimble	1	"					64-17	
	3	" " " ~~Swivel~~ " Nut	1	"					64-15	
	4	" " " Valve ~~Nozzle~~ Clamp U-Bolts	2	"	Furnish Nuts				64-16	
	5	" " " Hose	1	642-A-82	Ord in P.D.					
⊗	6	Mech. Lub. Heater Line Nipple At Lub. 1/32 Choke	1	632-F-1115	Steel					
	7	Cyl. Oil Pipe Fitting	2	592-A-627	Stick Brass					
	8	" " " " Nut	2	632-B-1112	" "					
	9	" " " " Connectors	2	632-D-1113	" "					
	10	" " " " Nipples ~~Swivel~~	2	3/8" Std. Ex. Hvy. Pipe Nipple						
	11	Steam Pipe " Stud -	2	592-A-629	Furnish Plug Steel					
	12	" " " - Choke ~~Tee~~ Fitting	2	592-B-629	Steel					
	13	" " " - - ~~Nut~~ Nut	2	632-B-1112	Stick Brass					
	14	" " " - " Connectors ~~Swivel~~	2	632-D-1113	" "					
	15	" " " Terminal ~~Bracket~~ Check Stud	4	592-A-630	" "					
	16	" " " " " Lock Nut	8	"	" "					
	17	~~Drip Valve Nut~~ " " Nuts	4	632-B-1112	" "					
	18	Mech'l. Lub Heater ~~Swivel~~ " " Line Connector	2	632-D-1113	" "					
	19	" " " " Nut	2	632-B-1112	" "					
	20	~~Dynamo Valve Nut~~ " " Nipple	2	632-H-1115	Steel					
	21	" " ~~Swivel~~ " Connector	1	632-C-1113	Stick Brass					
	22	" " " " Nipple	1	1" Ex Hvy. Std. 4 Pipe Nipple						
	23	~~Feed Cock Nut~~ " " Elbow	1	632-B-1109						
	24	" - ~~Swivel~~ " " Nut	4	632-B-1112	Stick Brass				63-1308	
	25	" " " " Union Swivel	1	632-B-1114	" "					
	26	~~Inj. Starting Valve Nut~~ Pipe Protection Flange (Ant. Steam Thru Deck)	2 Halves	632-A-1129						
	27	" - " ~~Swivel~~ " (3-1/2" copper) (2-3/8" ") Thru Deck	10 D Halves	632-B-1129					63-1316 1319 63-1318	
	28	Power Reverse Pipe Elbow	4	632-A-1107						
	29	~~Lubricator Valve Nut~~ " " Sleeve	4	"	Brazing Metal				63-1304	
	30	" - " ~~Swivel~~ " Swivel	3	632-A-1106	Brazing Metal					
	31	" " " Nut	3	632-B-1106	Stick Brass					
	32	Oil ~~Cock Nut~~ " " Fitting	3	632-C-1106	" "					
	33	" " ~~Swivel~~ Steam Heat Gauge Elbow (At Gauge)	1	632-F-692						
	34	Steam Gauge Elbow (At Gauge)	1	"					78-316	
	35	St. Gauge Cock Nut At Cock	2	632-B-1112	Stick Brass				78-316	
	36	" " ~~Swivel~~ Fittings At Gauge	2	632-E-1113	" "					
	37	" " " Nuts " "	2	632-B-1112	" "					
	38	Sander ~~Valve Nut~~ Air Fitting Tee	4	632-A-1110						
	39	" " ~~Swivel~~ " Nuts	20 22	632-C-1112	Stick Brass				63-1309	
	40	" " " "	16	632-B-1112	" "					
	41	~~Water Gauge Valve Nut~~ " " Elbow	8	632-B-1109						
	42	" " - ~~Swivel~~ "	5	632-A-1109					63-1308	
	43	" " " "	5	632-B-1108					63-1307	
	44	Signal Foam Meter Air Pipe Elbow	1	632-B-1109					63-1306	
	45	~~Check~~ ~~Pipe Union~~ " " " Connector	1	632-C-1113	Stick Brass				63-1308	
	46	" - " ~~Nut~~ " " " Nuts	2	632-B-1112	" "					
	47	" - " ~~Swivel~~ " " " Nipple	1	1" Std. Ex. Hvy. 4 Pipe Nipple						
	48	" " " " Connector	4	632-C-1113	Stick Brass					
	49	~~Feed Pipe Union~~ " " " Nuts	4	632-B-1112	" "					
	50	" - " ~~Nut~~ " " " Nipples	4	1" Std. Ex. Hvy. 4 Pipe Nipples						
	51	Sander Air ~~Valve~~ Fitting Connectors	4	632-B-1113	Stick Brass					
	52	" " " Nipples	5	3/8" Std. Ex. Hvy. Pipe Nipples						
	53	~~Inj. Steam Pipe Union~~ " Connector	1	632-B-1136	Stick Brass					
	54	" - " - " ~~Nut~~ Elbow	1	632-D-1109						
	55	" - " - " ~~Swivel~~ Tee	1	632-B-1110					63-1326	
	56	Manifold Elbow Support (Tank Heater Steam Heat)	2	632-C-1067	Plate				63-1310	
	57	Oil Pipe Union Elbow	1	632-A-1096						
	58	" " " Nut	1	"			63-1277			
	59	" " " Swivel	1	"					63-1278	
	60	Manifold ~~and Bracket~~ Elbow 3" 4" Tank Heater	1	632-A-1101					63-1279	
	61	" " 2" Steam Heat Oil Line	2	632-B-1101		63-1299				
	62	" " " Support - Oil Line	1	632-A-1123	Plate - Matl. Ord in P.D.	632-A-1123 63-1299				

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
P	1	Pipe ~~Union~~ Eng. Truck Journal Cooling	2-R 2-L	642-A-223	Copper					
P	2	" Cap ~~Nut~~ Journal Cooling	12	642-B-223						
P	3	" Pad ~~Swivel~~ F.W.H Cold Pump Discharge (Heater Line) (Drain)	2	632-F-725	Steel					
P	4	" Pads-Whistle Air Operating Rigging	1	632-L-727	"					
P	5	" " - Dome Pilot Valve	1	632-E-726	"					
P	6	" " - Prelim. Throttle Valve	1	632-C-726	"					
P	7	" " - Booster Steam Gauge	1	632-A-726	"					
P	8	" " - " Lubricator	1	632-B-726	"					
P	9	" " F.W.H. Cold Pump Discharge (To Gauge)	1	632-J-725	"					
P	10	" " - Tyton Whistle Air Pipe	1	632-X-726	"					
P	11	" Protection ~~Flanges~~ Sleeve. Oil manifold F.W.H Steam	2	632-A 1130	Furnish Lock Nuts				63-1320	
P	12	" " Collar - Power Rev. Steam	2	632-A-1143					63-1328	
P	13	" " Flange - Power Rev. Steam	2 Halves	632-D-1129					63-1319	
P	14	Pipe Clamps - Journal Cooling	16	632-E-1125		632-E-1125				
P	15	" - " Cap " "	16	"		632-E-1125				
P	16	" " - " "	19	632-C-1125		632-C-1125				
P	17	" " Cap " "	19	"		632-C-1125				
P	18	" " - " "	6	632-A-1125		632-A-1125				
P	19	" " Cap " "	6	"		632-A-1125				
P	20	" " - " "	2	632-P-1125		632-P-1125				
P	21	" " Cap " "	2	"		632-P-1125				
P	22	Cyl. Cock Air Fitting Union Sleeve	1	632-A-1114	Stick Brass					
P	23	Cyl. Cock Air Fitting Tee	1	632-C-1110					63-1311	
P	24	" " " " "	2	632-A-1110					63-1309	
P	25	" " " " Nuts	12	632-C-1112	Stick Brass					
P	26	" " " " "	8	632-B-1112	" "					
P	27	" " " " Elbow	4	632-A-1108					63-1305	
P	28	" " " " Sleeve	1	632-A-1114	Stick Brass					
P	29	" " " " Elbow	1	632-A-1109					63-1307	
P	30	" " " " Connector	2	632-B-1113	Stick Brass					
P	31	Steam Heat Gauge Fitting (At Steam Pipe)	1	1" Std. Ex. Hvy. 4 Pipe Nipple						
P	32	" " " " Connector "	1	632-C-1113	Stick Brass					
P	33	" " " " Nut	1	632-B-1112	" "					
P	34	" " " " (At Gauge)	1	632-C-1113	" "					
P	35	" " " " Nut	1	632-B-1112	" "					
P	36	Pipe Clamp Journal Cooling At Eng. Truck Box	4	633-F-15		633-F-15				
P	37	Whistle Air Fitting	4	1" Std. Ex. Hvy. 4 Pipe Nipple						
P	38	" " " Connector	4	632-C-1113	Stick Brass					
P	39	" " " Nut	6	632-B-1112	" "					
P	40	" " " Elbow in Line	2	632-B-1109					63-1308	
P	41	" " " Nuts	2	632-B-1112	Stick Brass					
P	42	" " " Connector	2	632-C-1113	" "					
P	43	" " " Nipple	2	1" Std. Ex. Hvy. 4 Pipe Nipple						
P	44	Water Gauge Drain Connectors	2	632-A-1113	Stick Brass					
P	45	" " " Nuts	2	632-A-1112	" "					
P	46	Gauge Cock Drip Funnel Nipple	1	632-F-1106	" "					
P	47	" " " " Nut	1	632-E-1106	" "					
P	48	" " " " Swivel	1	632-D-1106	Brazing Metal					
P	49	Pipe Clamp - Journal Cooling	2	632-R-1125		632-R-1125				
P	50	Pipe Pad - Cold Pump Del. Drain F.W. Heater	1	632-J-725	Steel					
P	51	Pipe Clamp Cap - Journal Cooling	2	632-R-1125		632-R-1125				
P	52	Pipe Clamp - Mech. Lub. Oil Pipe	3	632-A-1118	Furnish Caps	632-A-1118				
P	53	" " - " " " "	3	632-B-1118	" "	632-B-1118				
P	54	" " - " " " "	2	632-E-1032	" "	632-E-1032				
P	55	" " - Under Cab - R & L	2	632-F-941	Booster Steam & Exhaust.	632-F-941				
P	56	" " Block " " - "	2	632-E-298	"		63-1159			
P	57	" " Support " " - "	2	632-H-1009	"	632-H-1009				
P	58	" " " Liner " - "	2	648-A-68	Plate - Matl. Ord in P.D.					
P	59	" " - On Cab Bracket	1	"	Air Brake Pipes	63-D-1				
P	60	" " - " " "	1	"	" "	63-F-1				
P	61	" " Cap " "	2	"	" "	63-D-63				
P	62	" " " " "	1	"	" "	63-H-63				

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
✓	1	Pipe Clamps - Left Side								
✓	2	Pipe Clamp 2nd. Course	1	632-A-1120	Super Steam Turret Pipe		63-1314			
✓	3	" " Cap - " "	1	632-C-1120	" "	632-C-1120				
✓	4	Pipe Clamp 3rd Course	1	632-B-1120	" "		63-1315			
✓	5	" " Cap " "	1	632-C-1120	" "	632-C-1120				
✓	6	Pipe Bracket " "	1	632-F-1064	" "	632-F-1064				
✓	7	Pipe Clamp Fire Box	1	632-G-22	S for future		63-277	C. Steel. As Shop Had Several Cap Failures – See C.D. 632-S-22		
✓	8	" " Cap " "	1	"	" "		63-279	For Future Consider Making This		
✓	9	Pipe Bracket " "	1	632-D-1064	" "	632-D-1064				
✓	10	Pipe Clamp Under Run Board	3	632-B-370	Cooling Pipe			63-943		
✓	11	" " Cap " "	3	"	" "	63-B-236				
✓	12	Pipe Clamp - On Stack Casing	1	633-M-14	Heater Air Vent	633-M-14				
✓	13	" " Cap " "	1	"	" "	633-M-14				
✓	14	Pipe Clamp - On F.W. Heater	1	633-M-14	" "	633-M-14				
✓	15	" " Cap " "	1	"	" "	633-M-14				
✓	16	Pipe Clamp - Smoke Box	1	632-D-1125	Cold Pump Steam	632-D-1125				
✓	17	" " Cap " "	1	"	" "	632-D-1125				
✓	18	Pipe Clamp - First Course	~~2~~ 4	633-C-15	" "	633-C-15				
✓	19	Pipe Clamp First, Dome, Third Course & Firebox	~~6~~ 8	633-A-15	F.W. Pump Steam	633-A-15				Not used on 1152
✓	20	Pipe Clamp Smoke Box	1	632-C-1155	Hot Pump Exh.	632-C-1155				
✓	21	" " Cap " "	1	"	" "	632-C-1155				
✓	22	Pipe Clamp - At Steam Chest	1	632-E-1125	Blower Line	632-E-1125				
✓	23	" " Cap " "	1	"	" "	632-E-1125				
✓	24	Pipe Clamp - At Cyl. Saddle	1	"	" "	632-E-1125				
✓	25	" " Cap " "	1	"	" "	632-E-1125				
✓	26	Pipe Clamp - First, Dome & Third Course & Firebox	4	633-B-15	" "	633-B-15				
✓	27	Pipe Clamp - Firebox	1	632-E-1125	" "	632-E-1125				
✓	28	" " Cap "	1	"	" "	632-E-1125				
✓	29	Pipe Clamp - At Cyl.	1	632-J-1125	Air Pump Exh	632-J-1125				
✓	30	" " Cap " "	1	"	" "	632-J-1125				
✓	31	Pipe Clamp - At Guide Yoke End	1	"	" "	632-J-1125				
✓	32	" " Cap " "	1	"	" "	632-J-1125				
✓	33	Pipe Clamp - At Reser. Supports	2	"	" "	632-J-1125				
✓	34	" " Cap " "	2	"	" "	632-J-1125				
✓	35	Pipe Clamp - Firebox	2	633-A-15	Air Pump Steam	633-A-15				
✓	36	Pipe Clamp Run Board Brkt. At Firebox	2	632-F-1125	" "	632-F-1125				
✓	37	" " Cap " "	2	632-F-1125	" "	632-F-1125				
✓	38	Pipe Clamp - Dome Course	1	632-C-1141	Booster Steam	632-C-1141				
✓	39	" " Cap " "	1	632-B-1134	" "	632-B-1134				
✓	40	" " - 3rd Course	1	632-D-1141	" "	632-D-1141				
✓	41	" " Cap -	1	632-B-1134	" "	632-B-1134				
✓	42	Pipe Clamp - On Fire Box	1	632-A-1246	" "	632-A-1246				
✓	43	" " Cap " "	1	632-B-1134	" "	632-B-1134				
✓	44	Pipe Clamp - Run Board Brkt.	1	632-D-1155	Inj. Delivery	632-D-1155				
✓	45	" " Cap " "	1	"	" "	632-D-1155				
✓	46	Pipe Clamp - At Air Pump Brkt	1	632-K-1125	" "	632-K-1125				
✓	47	" " Cap " "	1	"	" "	632-K-1125				
✓	48	Pipe Clamp 3rd Course At Booster Pipe Supp.	1	"	" "	632-K-1125				
✓	49	Pipe Clamp Cap " "	1	"	" "	632-K-1125				
✓	50	Pipe Clamp - Fire Box	1	633-C-15	Booster Preliminary	633-C-15				
✓	51	Pipe Clamp - "	2	633-B-15	Foam Meter Blow off Line	633-B-15				
✓	52	Pipe Clamp - "	2	633-R-15	Foam Meter Seperator Drain	633-R-15				
✓	53	Pipe Clamp - Run Board Brkt	1	632-A-1121	Air Pump Cooling Pipe	632-A-1121				
✓	54	" " Cap " "	1	632-B-1121	" "	632-B-1121				
✓	55	Pipe Clamp 3rd Course	1	632-D-1146	Whistle Line	632-D-1146				
✓	56	" " Cap " "	1	"	" "	632-D-1146				
✓	57	Pipe Clamp Smoke Box	1	632-B-1146	Air Pipe Cross over	632-B-1146				
✓	58	" " Cap " "	1	"	" "	632-B-1146				
✓	59	Pipe Clamp - On Back Head	1	632-C-1128	Injector Steam Steam Heat	632-C-1128				
✓	60	" " Cap " "	1	632-D-1128	" "	632-D-1128				
✓	61	Pipe Clamp On Smoke Box	1	632-R-1125	Typhon Whistle	632-R-1125				

Group 63 Continued on Page 56

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 64—Piping Arrangements								
P ⊗	1	Engine Piping Arrangement, R. S.	1	640-A-126						
P ⊗	2	" " " L. S.	1	640-A-127						
P ⊗	3	" " " Sections	1	640-A-128						
P ⊗	4	Piping Arrangement Engine & Tender	1	648-A-68						
	5	Brake Governor Piping								
P	6	Brake ~~Blower~~ Piping Diagram	1	WAB. CO DWG. D-63760						
	7	Booster "								
P ⊗	8	Cylinder Cock Piping	1	643-A-135						
	9	Dead Engine Fixture Piping								
	10	Feed Water Heater Piping								
	11	Flange Oiler Piping								
	12	Front End Brake Piping								
	13	Governor Drain "								
P ⊗	14	Journal Cooling "	1	640-A-129						
	15	Oil Heater "								
P	16	Power Reverse "	1	642-A-224						
P	17	Sander Piping	1	644-A-65						
	18	Steam Gauge Piping								
	19	" Heat "								
P	20	~~Sander~~ Sander Pipe Clamp	2-R 2-L	632-A-1318				632-A-1318		
P	21	~~Smoke Consumer~~ " " "	1-R 1-L	632-B-1318				632-B-1318		
	22	Water Gauge "								
P	23	Flexible Conn. Bet. Eng. & Tender	1	S.P. DWG CL-11290-J	Ordin P.D		Oil Line			
P	24	" " " " "	1	"	"		Steam Heat			
P	25	" " " " "	1	S.P. DWG. CL-11288-I	"		Steam			
P	26	Sprinkler Piping	1	642-A-82						
P	27	Cab Heater Piping	1	643-A-115						
P	28	" " " Cover Plate	2	" B	Plate					
⊗ P	29	Sander Air Piping	1	643-A-116						
P	30	Bell Ringer Piping	1	642-A-225						
P ⊗	31	Blowoff Muffler & Track Sprinkler Piping	1	645-A-7						
P	32	Sander Pipe Clamps	16	644-A-65				644-A-65		
P	33	" " " U-Bolts	22	632-R-983				632-R-983		
P	34	" " Drip Washers	8	644-A-65						
	35	**GROUP 65—PISTON & ROD**								
⊗	36	Piston	2	653-A-90	Ordin P.D					
	37	" Follower								
	38	" Bull Ring								
	39	" Tee Ring								
P	40	" Snap Ring	2 sets	653-A-90	Ordin P.D					
	41	" Plug								
P ⊗	42	" Rod	2	652-A-169	Matl. Ord. in P.D.			652-A-169		
P	43	" " Nuts ~~Extension~~	2	"	Steel			5 Fin. Sizes. 7/8 Hex 4" Thick		
	44	" " " Guide								
	45	" " " Cover								
	46	" " Slide Back								
	47	" Spring								
P	48	" Rod Marking		652-A-165						
	49									
	50									
P	51	Piston Rod Packing (Paxton-Mitchell)	2 set	S.P. DWG. CL-15829-B	Ordin P.D					
	52	" " " Gland								
	53	" " " Babbit Ring								
	54	" " " " "								
	55	" " " Split Ring								
	56	" " " Spring								
	57	" " " " Case								
	58	" " " Swab Cup								
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 66—PLUGS								
P	1	Main ~~Plugs~~ Reservoir Washout Plugs	4	662-~~E~~ A-58						
	2	Arch Tube Plugs							66-202	
	3	" " "								
P	4	Cylinder Bushing Plug	4	662-E-65			66-72			
	5	Ecc. Strap Plug								
P	6	Filling "								
P	7	Fusible "	5	NATHAN Pt.#1032 F	Furnished By. R.R.					
P	8	Indicator "	4	662-A-4						
P	9	Peep Hole "	4	662-A-130					66-95	
	10	Mud Drum "							66-259	
	11	Smoke Box "								
	12	Test "								
P	13	Waist "	5	662-A-168						
	14	" "							66-282	
	15	" " Flange								
	16	" " "								
P	17	Washout "	38	662-A-58						
	18	" "							66-202	
	19	Hand Hole "								
P	20	Super. Turret Plug (Hole "D")	1	662-J-24	Stick Brass					
P	21	Pyrometer Plug (Pyrometer On 1152)	1	662-A-38						
P	22	Valve Chamber Bushing Plug	4	662-C-14	Steel				66-77	
P	23	" " " " Washer	4	322-A-402	Copper					
	24									
	25	**GROUP 68—REVERSE LEVER**								
P ⊗	26	Reverse Lever	1	683-A-84	Furnish With Reverse Gear					
P	27	" " Hand Lever Stop Pin	1	682-A-247	" "					
P	28	" " ~~Latch~~ " " Plate	1	682-B-247			682-B-247			
P	29	" " " ~~Guide~~ " " Arr'gt.	1	682-C-247						
	30	" " " Rod								
P	31	" " Quadrant	##	682-A-248	Teeth machined as shown on Plate					
P	32	" " " Support	1	682-A-256	Matl. Ord in P.D.	682-A-256				
	33	" " " Block								
	34	" " Arm								
	35	" " Fulcrum								
	36	" " Foot Rest								
	37	" " Floor Cover								
	38	" " Latch Spring								
	39									
	40									
P	41	Power Reverse ALCO Type "G"	1	ALCO Dwg. 683-S-53410	Ord in P.D.					
P ⊗	42	" " Cylinder Support	1	683-A-82	Plate-matl. Ord in P.D.					
P ⊗	43	" " " " Brace	1	"	" "					
P ⊗	44	" " ~~Screw Support~~ " " Gussets	2	"	" "					
	45	" " " " Filler Block								
	46	Screw Reverse								
	47									
	48									
	49									
	50									
	51									
	52									
	53									
	54	**GROUP 69—REVERSE SHAFT**								
P ⊗	55	Reverse Shaft	1	693-A-56	matl. Ord in P.D.	693-A-56				
P	56	" " Arm Bushing	1	693-B-56	Steel					
P	57	" " " "	2	693-C-56						
P	58	" " " "	1	693-A-56	Steel				Bronze 58-A19	
P	59	" " " Counterbalance	1	693-A-56	Furnish Bushing	693-A-56				
P ⊗	60	" " Bearing	2	692-C-381						
P ⊗	61	" " " Top Half	2	692-B-381				69-634	Bronze 69-610	

(Group 69 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 69—Reverse Shaft (Cont.)								
⊗	1	Reverse Shaft Bearing Cap	2	692-C-381				69-613		
⊗	2	" " " - Bottom Half	2	692-B-381					Bronze 69-611	
⊗	3	" " Counterbal. Rod	1	692-A-408	Furnish Pin Cotter & Nuts	692-A-408				
⊗	4	" " " Spring	2	692-D-11	Ordin P.D					
⊗	5	" " " " Seat	1	692-A-384			69-614			
⊗	6	" " " " Washer	1	692-B-384			69-615			
⊗	7	" " " " Casing	1	692-A-405			69-632			
⊗	8	" " " Arrangement	1	692-A-407						
	9									
	10									
⊗	11	Reach Rod Bet. Cyl. & Rev. Shaft	1	692-A-404	Furnish Bushings, Pipe-Matl. Ordin P.D	692-A-404				
	12	" " " Cyl. & Cab	1	692-H-367						
	13	" " Support - Rear	1	692-C-388		69-C-77				
	14	" " " - Front	1	692-D-388		69-D-77				
	15	" " Jaws								
	16	" " "								
	17	" " Guide Rollers	4	692-C-388			69-618			
	18	" " " Bracket								
⊗	19	" " Pin	1	692-A-404	Furnish Nut Cotter & Dowel					
	20	" " "								
	21									
	22									
	23									
	24									
	25									
	26	**GROUP 70—ROCKER AND BOX**								
	27	Rocker								
	28	" Arm								
	29	" Box								
⊗	30	Running Board Skirting Support	1	712-A-301	Plate-Matl. Ordin P.D.					
⊗	31	" " " " " Angle	1	712-B-301	Angle-Matl Ordin P.D.					
⊗	32	" " " "	1	712-E-300		712-E-300				
⊗	33	" " " " " Clamp	1	712-B-300		712-B-300				
⊗	34	" " " " " R.S.	1	712-C-300		712-C-300				
⊗	35	" " " " " L.S.	1	712-D-300		712-D-300				
	36	**GROUP 71—RUNNING BOARD**								
⊗	37	Running Board	1-R 1-L	716-A-58						
	38	" " Material	1 Set	71-MO-41	Plate & Angle Matl. Ordin PD					
	39	" " Skirting Material	1 Set	71-MO-42A	Matl. Ordin P.D					
⊗	40	Running Board Skirting	1-R 1-L	710-A-2						
	41	" " " " " Door Latches	15	532-C-793						
	42	" " " " " " "	15	532-A-793		532-A-793				
	43	" " " " " " "	2	532-D-793						
	44	" " " " " " "	2	532-E-793		532-E-793				
	45	" " " " " " Handles	17	532-B-793		532-B-793				
⊗	46	" " " " " Support	1-R 1-L	712-F-300	Angle-Matl. Ordin P.D	712-F-300				
⊗	47	" " " " " "	1-R 1-L	712-C-301	"	712-C-301				
	48	" " " " Cab Deck Support	1	712-A-284		712-A-284				
	49	" " Bracket Smoke Box-Front-R+L	2	712-A-294		712-A-294				
	50	" " " " " " Back "	2	712-B-294		712-B-294				
	51	" " " -1st Course - Front R.S.	1	712-C-294		712-C-294				
	52	" " " - " " - " L.S.	1	712-D-294		712-D-294				
	53	" " " - " " - Back R.S	1	712-E-294		712-E-294				
	54	" " " - " " - " L.S.	1	712-F-294		712-F-294				
	55	" " " - Dome Course-Front- R.S	1	712-C-299		712-C-299				
	56	" " " - " " - " L.S	1	712-A-298		712-A-298				
	57	" " " - " " - Ctr. R.S	1	712-C-298		712-C-298				
	58	" " " - " " - " L.S	1	712-B-298		712-B-298				
	59	" " Filler Blocks " - Back R.S	1	712-D-297		712-D-297				
	60	" " " - " " - " L.S	1	712-A-297		712-A-297				
	61	" " " 3rd Course-Front R.S	1	712-A-299		712-A-299				

For Future make up new MO. Using Regular allowence on Plate
These MO's were made up Before Drawings were Started in Order To make Delivery.

(Group 71 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 71—Running Board (Cont.)								
✓	1	Running Board Angle ~~Supports~~ Brackets -3rd. Course-Fr.-LS	1	712-H-299		712-H-299				
✓	2	" " " " " " -Bk-RS	1	712-E-297		712-E-297				
✓	3	" " " " " " - " LS	1	712-F-297		712-F-297				
✓	4	" " " "Firebox - Ft. RS	1	712-B-299		712-B-299				
✓	5	" " " " " " - " - LS	1	712-B-297		712-B-297				
✓	6	" " " " " " -Ctr-RrL	2	712-D-299		712-D-299				
✓	7	Side Sheet	1-R 1-L	712-A-277	Plate-Matl. Ordin P.D					
✓	8	" " Angle	2 Sets	"	Matl. Ordin P.D					
✓	9	Running Board Bracket-Firebox Lower R.S	1	712-C-297		712-C-297				
✓	10	" " " " Lower L.S	1	712-F-299		712-F-299				
✓	11	" " " " Bk. Corner R&L	1-R ~~2~~ 1-L	712-E-299		712-E-299				
✓	12	" " " Filler Blocks	2	712-B-281	Plate					
✓	13	" " " " "	4	712-C-281	"					
✓	14	" " " " "	4	532-A-783			53-821			
	15	**GROUP 72—RODS—Main & Side**								
✓ ⊗	16	Rods—Main Fitup R&L	2	723-A-131	Matl. Ordin P.D	72-A-531				
	17	Front Stub								
	18	" " Strap								
	19	" " Key								
	20	" " Washer								
✓ ⊗	21	" " Brass	2	722-B-434					Bronze 72-883	
	22	" " "								
	23									
✓ ⊗	24	Main Stub Grease Cup Adapter	2	723-A-131	Steel					
	25	" " Strap								
	26	" " Wedge								
	27	" " Filling								
✓ ⊗	28	" " Brass	2	722-A-462					Bronze 72-884	
✓ ⊗	29	" " Bushing-Fixed	2	722-A-458	Casting Ordin P.D		Gun Iron 72-885			
✓ ⊗	30	" " " Key Grooves	2	723-A-131	5" Fin. Sizes 5/8 x 3/4 x 8 1/2"					
	31									
	32									
	33									
	34									
✓ ⊗	35	Rods—Side—Front	1-R 1-L	729-B-5	Matl. Ordin P.D	72-A-527				
✓ ⊗	36	Front Stub Grease Cup Adapter	2	"	Steel					
X	37	" " Strap								
	38	" " Key								
	39	" " Filling								
✓ ⊗	40	" " Brass	2	722-A-461					Bronze 72-867	
✓ ⊗	41	" " " Key.	2	729-B-5	5/8" x 3/4" x 3 29/32"	Fin. Sizes				
	42									
✓ ⊗	43	Rods—Side—Int.	1-R 1-L	729-B-5	Matl. Ordin P.D	72-A-529				
✓ ⊗	44	Inter. Stub Grease Cup Adapter	2	"	Steel					
	45	" " Strap								
	46	" " Key								
✓ ⊗	47	" " ~~Filling~~ Brass Key	2	729-B-5	5/8" x 3/4" x 4 1/2"	Fin Sizes				
✓ ⊗	48	" " Brass - Floating	2	722-A-464	Casting Ordin P.D		Gun Iron 72-888		Bronze 72-865-A	
✓ ⊗	49	" " " Fixed	2	722-A-459						
	50	Rods—Side—Main								
✓	51	Main Stub Grease Cup Adapter	2	729-B-5	Steel					
	52	" " Strap								
	53	" " Key								
	54	" " Filling								
✓ ⊗	55	" " Brass - Floating	2	722-A-463						
✓ ⊗	56	" " " - Fixed	2	722-A-460	Casting Ord. in P.D		Gun. Iron 72-887		Bronze 72-886	
✓ ⊗	57	" " " Key	2	729-B-5	5/8" x 3/4" x 5 3/4"	Fin. Sizes				
	58									
	59									
	60									
	61									

(Group 72 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—Rods—Main & Side (Cont.)								
P ⊗	1	Rods—Side—Back	1-R 1-L	729-B-5	Matl. Ordin P.D	72-A-528				
P ⊗	2	Back Stub Grease Cup Adapter	2	"	Steel					
	3	" " Strap								
	4	" " Key								
	5	" " Filling								
P ⊗	6	" " Brass	2	722-B-461					Bronze 72-869	
P	7	" " " Key	2	729-B-5	Fin. sizes " 5/8 x 3/4" x 3 21/32					
P ⊗	8	Knuckle Pin	4	722-A-456	Matl. Ordin P.D	Furnish, Key, Pipe Plug & Cotter				
P ⊗	9	" " Bushing	4	722-A-457					Bronze 72-868	
P ⊗	10	" " Nut	4	722-A 456	Matl. Ordin P.D	72-A-512				
	11									
	12	Side Rod Grease Grooves								
P	13	Main & Side Rod Marking		722-A-435						
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21	**GROUP 73—SAND BOX**								
P	22	Sand Box—~~Front~~	1	737-B-13	Plate-matl Ordin P.D					
	23	" " —Back								
	24	Sand Box Base—Front								
P	25	" " Lid Hinge —~~Back~~	2	732-B-182		73-B-62				
P	26	" " " " Butt	2	"	Furnish Pins & Cotters	73-A-63				
P	27	" " ~~T~~" Handle	1	532-A-731		532-A-731				
P	28	" " Lid	1	732-B-182	Plate-matl. Ordin P.D					
	29	" " Valve								
	30	" " " Seat								
P	31	" " ~~Arm~~ Sand Spreader	1	732-A-196				73-437		
	32	" " Rod								
	33	" " Shaft								
P	34	" " ~~Lever~~ Skyline Plates Casing Expansion	4	737-B-13	Forged sizes 7/16" x 3" x 7"					
	35	" " Rod Handle								
	36	" " Bracket								
P	37	Air Sander Traps	8	Viloco FL-317	Ordin P.D.					
P	38	" " Operating Valve	1	Viloco Duplex No 256	"					
P	39	" " Block	4	732-A-194				73-436		
P	40	" " Trap Cover Plate	1-R 1-L	733-A-107						
P	41	Sand Box Washers 2 1/2"	2	532-J-11			53-242			
P	42	" " " 2 5/8"	2	532-K-11			53-259			
P	43	" " " 3"	4	532-N-11			53-243			
P	44	" " " 2 1/4"	1	532-G-11			53-170			
P	45	" " " 2 1/8"	1	532-F-11			53-400			
P	46	" " " 1 7/8"	1	532-D-11			53-168			
P	47	" " " 1 3/4"	1	532-C-11			53-208			
P	48	**GROUP 75—SMOKE BOX** Deflecting Plate	1 set	75-MO-57	Ordin P.D					
P ⊗	49	Smoke Box Arrangement	1	819-A-5						
P ⊗	50	Deflecting Plate	1 set	753-A-234	Plate. matl. Ordin P.D					
P ⊗	51	" " ~~Angle~~ Doors	1 set	753-A-235	"					
P	52	" " Handle	8	752-A-79	Furnish Nuts & Washers	75-A-139				
P	53	" " ~~Nuts~~ Clamps	8	812-B-51	Steel					
P	54	" " Studs - Back Section	~~8~~ 4	752-C-230		752-C-230				
P	55	" " " Keys	~~8~~ 4	152-A-28	Ordin P.D.					
P	56	" " "	5	752-E-230		752-E-230				
P	57	" " " Washers	5	752-D 230	Plate					
P	58	" " " Keys	5	152-A-28	Ordin P.D					
P	59	" " Netting	2	753-A-235	Matl Ordin P.D					
P	60	" " Angle - Front	1	819-A-5		75-A-301				
P	61	" " " Back	1	"		75-C-301				

(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont)								
✓ ⊗	1	Smoke Box Netting	2	819-A-5	Matl. Ordin P.D					
✓	2	" " " Door	1	"						
✓	3	" " " Frame	2	"	Angle-Matl. Ordin P.D					
✓	4	" " " ~~Bolts~~ Catch Front Section	34	752-A-230		752-A-230				
✓	5	" " " " Washers " "	34	752-D-230	Plate					
✓	6	" " " " Keys " "	34	152-A-28	Ordin P.D					
✓	7	" " " Bolts " "	30	752-B-230		752-B-230				
✓	8	" " " " Washers " "	30	752-D-230	Plate					
✓	9	" " " " Keys " "	30	152-A-28	Ordin P.D					
✓	10	Deflecting Plate Studs " "	25	752-C-230		752-C-230				
✓	11	~~Draft~~ Pipe " " Keys " "	~~11~~ 25	152-A-28	Ordin P.D.					
✓	12	Smoke Box netting								
✓	13	" " ~~Hanger~~ Bolts. Back Section	26	752-A-230		752-A-230				
✓	14	" " " " Washers " "	26	752-D-230		752-D-230				
✓	15	~~Tee Head~~ Brace " " " Keys " "	26	152-A-28	Ordin P.D					
✓ ⊗	16	~~Table Plate~~ Table Plate	1	819-A-5	Plate-Matl. Ordin P.D					
✓	17	Smoke Box Netting Bolts-Back Section	2	752-B-230		752-B 230				
✓	18	" " " " Washers " "	2	752-D-230	Plate					
✓	19	" " " " Keys " "	2	152-A-28	Ordin P.D					
✓	20	~~Cinder Pocket~~ Angle	1-R 1-L	819 A-5	Matl. Ordin P.D	75-A-322				
✓	21	" " ~~Cap~~ "	1-R 1-L	"	"	75-A-302				
✓	22	" " ~~Clamp~~ "	1-R 1-L	"	"	75-A-323				
✓	23	" " ~~Thumb~~ ~~Screw~~	1	"	"	75-A-304				
✓	24	" " ~~Chain~~ " (Table Plate)	2	"	"	75-P-78				
	25	" " " Bracket								
	26	" " Slide								
	27	" " " Guide								
✓	28	" " Wedge								
✓	29	Cleaning Hole Frame	2	752-A-162			75-156			
✓	30	" " Cap	2	"			75-157			
✓	31	" " Handle	2	"	Furnish Chain & Stud	320-S-98				
✓	32	Smoke Box Cover Plate	1	753-A-221	Plate-Matl. Ordin P.D					
✓	33	" " " " Handles	2	532-H-536		532-H-536				
✓	34	" " " " Gaskets	1	752-A-229	Ordin P.D					
✓	35	" " " " Buttons	40	752-B-228					75-729	
	36									
	37	Smoke Box Brace								
	38	" " " Foot								
	39	" " " Pad								
	40			For future use C.D. 754-D-54						
✓	41	Smoke Box Front	1	754-~~B~~ C 54	Plate-Matl Ordin P.D					
✓	42	" " " Door	1	"	"					
✓	43	" " " ~~Liner~~ Baffle Plate	1	"	"					
✓	44	" " " Hinges Top	1	752-A-173					75-379	
✓	45	" " " " Bottom	1	"					75-380	
✓	46	" " " Lugs Top	1	752-B-173					75-373	
✓	47	" " " " Bottom	1	"					75-374	
✓	48	" " " Buttons	17	752-A-228					75-383	
✓	49	" " " ~~Handle~~	3	752-C-228					75-383	
✓	50	" " " ~~Clamp~~ Hinge Pin	2	752-C-173	Furnish Cotter					
	51	" " " Crosstie								
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont.)								
P	1	Smoke Stack	1	753-A-219			75-725			
P	2	" " Base	1	"			75-726			
P	3	" " Extension	1	"			75-727			
P	4	" " Extension	1	"			75-728			
P	5	" " ~~Top~~ Gasket	1	752-A-237	1" Asbestos 8 Ordin P.D					
	6	" " Cone								
	7	" " Spark Whirl								
	8	" " Netting								
	9	" " Cleaning Hole								
	10	" " " " Cap								
	11									
	12									
	13									
	14	**GROUP 76—SPRINGS**								
	15	Springs								
P ⊗	16	Driving Spring—Front	2	762-A-279	Ordin P.D					
P	17	" " —Int.	2	762-A-279	"					
P	18	" " —Main	2	762-A-279	"					
P	19	" " —Back	2	762-A-279	"					
P	20	" " Clips	16	762-A-263	"					
	21	" "								
P ⊗	22	Engine Truck Spring	2	762-B-265	Ordin P.D.					
C ⊗	23	Trailer Spring- Front.	2	762-C-266	"					
P ⊗	24	Trailer Spring Back	2	762-C-264	"					
	25	Draft "								
	26	Coupler "								
	27	Buffer "								
	28	Centering "								
P	29	Spring Marking	set	762-A-148						
P	30	Trailer Spring Clips	8	762-A-267	Ordin P.D					
	31									
	32	**GROUP 77—SPRING RIGGING**								
P ⊗	33	Spring Rigging	set	770-A-4	Furnish Bush. Washers Etc.					
P ⊗	34	Driving Box Saddle - Front	2	772-A-448	Furnish Roller				77-484	
P ⊗	35	" " " Main-Inter & Back	6	772-B-416					77-463	
P ⊗	36	Equalizer—~~Front~~ Side	2	772-C-451	Matl. Ordin P.D	772-C-451				
P ⊗	37	" —Side	2	772-A-451	"	772-A-451				
P ⊗	38	" —~~Back~~	2	772-B-451	"	772-B-451				
P	39	" —Cross	1	770-A-4	"	77-A-541				
P ⊗	40	" ~~Fulcrum Cylinder~~ Trailer	2	772-A-454	"	772-A-454				
P ⊗	41	" " "	2	772-B-419	Casting Fur. By G.S.C.Co					
	42	" "								
	43	" " —Trailer								
	44	" Link								
	45	" Safety Strap								
	46	" " "								
	47	Spring Fulcrum								
	48	" Gib								
	49	" "								
	50	" "								
	51	" Guide								
P ⊗	52	" Hanger	10	772-A-452	Furnish Bushing	772-A-452				
P	53	" "	2	772-B-418	" "				77-465	
P	54	" " Yoke	4	772-A-423					77-467	
P	55	" " Knuckle	4	772-C-424	Furnish Bushing				77-468	
P	56	" " "	4	772-D-424	" "				77-468-A	
P ⊗	57	" "	1-R 1-L	772-A-422		772-A-422				
P ⊗	58	" "	2	770-A-4	Matl. Ordin P.D	77-A-543				
P ⊗	59	" " ~~Block~~	2	"	"	77-B-543				
P	60	" " Link	4	"	"	77-A-567				
P	61	" " "	4	"	"	77-C-544				

(Group 77 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 77—Spring Rigging (Cont.)								
	1	Spring Hanger ~~Link~~	2	772-A-455	Furnish Bushing	772-A-455				
	2	" " "	1-R							
	3	" " "	1-L	772-B-421	Furnish Bushing	772-B-421				
	4	" " "								
	5	" Roller	6	772-A-417	Steel					
	6	" ~~Set~~ Plate-Trailer	4	772-A-425				77-469		
	7	" "								
	8	" "								
	9	" Equalizer Oil Pipe Support	4	770-A-4		77-A-555				
	10	Spring Rigging Pins Knuckle Pins	16	770-A-4		77-A-550				
	11	" " " Front Spring Side Equalizer Pins	6	"		77-A-551				
	12	" " " C.S. Trailer Equalizer Pins	2	"		77-A-552				
	13	" " " Equalizer Bet Eng't Trailer	2	"		77-B-552				
	14	" " " Spring Hanger cross Equalizer	10	"		77-A-553				
	15	" " " "	2	"		77-D-553				
	16	" " " Front Hanger Spring	2	"		77-E-553				
	17	" " " Back Hanger Front Spring	2	"		77-F-553				
	18	" " " Back Hanger Trailer	2	"		77-H-553				
	19	" " "	2	"		77-A-554				
	20									
	21	Spring Rigging Pin Keys	18	152-C-28	Ord. in P.D					
	22	" " " "	18	152-D-28	"					
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									
	33									
	34									
	35									
	36									
	37									
	38									
	39	**GR. 78—Stm. Gauge, Saf. Val. & Tur.**								
	40	Steam Gauge 6¾" Ashton	2	S.P. Dwg. AL-16580-A.	Ord in P.D.					
	41	" Turret Saturated Steam	1	783-B-73						
	42	" " Valve	1	783-A-74				78-430		
	43	" " " Gland	1	"	Stick Brass				78-24-B	
	44	" " " Neck (Bonnet)	1	"						
	45	" " " Nut	1	"					78-25	
	46	" " " Handle	1	263-B-1					78-26	
	47	" " Joint Ring	1	782-A-95					26-69	
	48	" " Dry Pipe Elbow	1	782-F-90					79-847	
	49	" " Valve Stem	1	783-A-74	Stick Brass					
	50	" " " " Retaining Sleeve	1	"	" "					
	51									
	52									
	53	" Turret Bracket-Super Steam	1 pr.	782-A-248		782-A-248				
	54	" Turret Superheated Steam	1	782-D-244						
	55	" " Joint Ring-To Flange	1	792-X 119				78-425		
	56	" " Pipe Flange	1	632-C-1097		79-750				
	57	" " " Expansion Joint Body	1	633-C-45				63-1285		
	58	" " " " Joint Sleeve	1	"		63-1241				
	59	" " " " Joint Pkg.	1 set	"	Ord in P.D				63-1292	
	60	" " " " Joint Pkg Gland	1	"						
	61	" " " " " Ring	1	792-K-128		63-1293				
						79-124				

Not used on 1152

(Group 78 Continued)

ALSO on Page 47-Item 46

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 78—Stm. Gauge, Saf. Val. & Tur. (Ct.)								
	1	Steam Turret Casing								
	2	" " " Hinges								
	3	" " " Hasp								
	4									
	5									
C	6	Safety Valve 3½" Ashton-Muffled	1	C.S.V.Co Dwg. S-5243-W.	Ordin P.D	Furnished By RR.				
C	7	Safety Valve 3½" Ashton-Open	1	C.S.V.Co. Dwg. S-5244-M	" "	"				
	8	" " Extension	2	782-A-247					Bronze 78-433	
	9	" " Turret								
	10	" " " Bushing								
	11	" " " Casing								
	12	" " " " Supports								
	13	" " " " "								
	14									
	15									
	16	**GROUP 79—STEAM PIPES**								
	17	Steam Pipes								
C ⊗	18	Steam Pipe—Right	1	794-B-15				79-991-A		
C ⊗	19	" " —Left	1	"				79-992-A		
	20	" "								
	21	" "								
	22	" "								
	23	" "								
C	24	" " Joint Ring Bet. Steam Pipe & Header	2	792-L-110			79-897			
C	25	" " " " " " & CYL	2	792-K-110			79-897			
	26	" " " "								
	27	" " " "								
	28	" " Tee Head								
	29	" " Casing	2	794-B-16	Plate-Matl. Ordin P.D.					
C	30	" " " Ring	2	792-A-146		792-A-146				
C	31	" " " ~~Clamp~~ Snap Rings	4	653-T-5005			65-13			
	32	" " Supports								
	33	" " "								
	34	" " " Strap								
	35	" " " " U-Bolt								
	36	" " Slip Joint Casing								
	37	" " " " Sleeve								
	38	" " " " Packing Rings								
	39									
	40									
	41									
	42									
	43									
	44									
	45	78 Continued GROUP ~~80~~ ~~STOKER~~								
C	46	Steam Turret Pipe Shut off Valve	1	3" Merco. Nordstrom	Ordin P.D					
C	47	" " " " " Support	1	782-A-249	Plate-Matl. Ordin P.D	782-A-249				
C	48	" " " Flange-At S.O. Valve	1	632-D-1095				63-1281		
C	49	" " " Joint Ring "	1	792-S-91			79-865			
C	50	" " " Flange in Line	4	632-C-986				63-1218		
C	51	" " " Joint Ring " "	2	792-W-119			79-896			
C	52	" " " Connection	1	782-A-250				78-429		
C	53	" " " " Flange	2	632-A-648				63-864		
C	54	" " " " Joint Ring	2	792-D-119			79-896			
C	55	" " " Connection To Header	1	782-B-226				78-409-A		
C	56	" " " " Joint Ring	1	792-K-93			79-714			
C	57	" " " Shut off Valve Support Filler	1	782-B-249			78-434			
	58									
	59									
	60									
	61									

(Group 80 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 80—STOKER (Cont.)								
⊗	1	Group 81 - Superheater								
	2	Superheater Arqt.	1	819-A-5						
	3	" Header	1	TS. CO SL-12463-F	Ordin PD.					
	4	" " Support	2	812-N-123	Plate-Matl. Ordin P.D.	81-W-28				
	5	" " " Studs	6	"	Steel					
	6	" " " Washers	6	"	"					
⊗	7	" Pipe Support	1	813-A-67	Matl Ordin P.D					
⊗	8	" " " Brackets	1-R 1-L	"		81-A-38				
⊗	9	" " Clamps	7	812-F-154		812-F-154				
⊗	10	" " "	2 Pr	812-H-154		812-H-154				
⊗	11	" " " Studs	9	"	Furnish 3 nuts Per Stud					
⊗	12	" Unit Shield	1	812-A-173	Plate-matl. Ordin P.D.					
⊗	13	" " " Support	2	"	"					
	14	" " " Key Studs	2	812-A-152	Furnish nuts	812-A-152				
	15	" " " Stud Keys	#2	152-B-28	Ordin P.D					
	16									
	17									
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
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	41									
	42									
	43									
	44									
	45									
	46									
	47									
	48									
	49	Tools - Continued								
	50	Grease Gun for Soft Grease- Barrel	1	922-A-275	matl. Ordin P.D					
	51	" " Barrel Feed Nut	1	"	Steel					
	52	" " " " Screw	1	"		92-A-31				
	53	" " " " " Fric. Washer	1	"	Steel					
	54	" " " " " Cup	1	"	Leather-matl Ordin P.D					
	55	" " " " " " Washer	1	"	Steel					
	56	" " " " " Nut	1	"	"					
	57	" " Hose & Connections	1	"	Ordin P.D					
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 83—TANK, ENGINE								
	1	Tank								
	2	" Material Bill								
	3	" Angle Iron								
	4	" Lifter								
	5	" Block								
	6	" "								
	7	" Wedge								
	8	" "								
	9	Tank Bearer								
	10	" "								
	11	Tank Funnel								
	12	" " Screen								
	13	" " Lid								
	14	" " Hinge								
	15	" " Handle								
	16	Tank Hand Hole								
	17	" " " Dog								
	18									
	19									
	20	Tank Equalizing Pipe								
	21	" " " Flange								
	22									
	23									
	24									
	25	Coa Bunk								
	26	" " Angle								
	27	" Gate								
	28	" " Latch								
	29	" " Handle								
	30	" Rack								
	31									
	32									
C	33	Throttle Compensating Lever Bracket Washers	4	532-C-11			53-208			
	34	**GROUP 91—Throttle & Dry Pipe**								
	35	Throttle Valve Arrangement								
C	36	Throttle Valve	See Superheater Header							
	37	" " Stem								
	38	" " " Casing								
	39	" " " Lever								
	40	" " " " Rod								
	41	" " " " " Jaw								
	42	" " " " Fulcrum								
	43	" " " " Pins								
	44	" " Crank	1	912-A-607	Furn. Bushings & Clamp Bolts				91-860	
	45	" Pipe								
	46	" " Ring								
	47	" " Yoke								
	48	Throttle Stuffing Box	1	912-A-599	Packing Ordin P.D				91-855	
	49	" " " Gland	1.	"			91-856			
	50	" " " "								
	51	" " " Ring								
C	52	" ~~Shaft~~ Rod Roller	2	912-A-610			91-865			
C	53	" " ~~Arm~~ " " Pins	2	912-D-610	Furnish Cotter					
C	54	" Rod - Back	1	913-E-150	Pipe - matl. Ordin P.D					
C	55	" Rod - Front	1	913-F-150	matl.					
C	56	" " ~~Crosshead~~ End Guide	1	912-A-606 A-649	Ordin P.D Furnish	Furnish Pin & Feather				
C	57	" " Jaw	3	912-~~B-552~~	Clamp Bolts	912-A-649			~~91-820~~	
C	58	" " Pin	3	912-D-562	Furn. nuts & Cotters					
C	59	" " Support - Front	1	912-A-633		91-A-242				
C	60	" " " Filler Block	1	912-B-610			91-863			
C	61	" " " Rear	1	912-B-633		91-A-243				
C	62	" " " Filler Block	1	912-C-610			91-864			

(Group 91 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 91—Throt. & Dry Pipes (Cont.)								
✓	1	Throttle Lever Shaft Crank	1	912-A-604	Furnish Bush & Clamp Bolts			91-859		
✓	2	" " " " Pin	1	912-C-604	Steel					
✓	3	" " " Link	1	912-B-604	Furnish Taper Pin	912-B-604				
✓	4	" " Quadrant Studs	3	912-B-605	Steel					
✓	5	" " - Compensating	1	912-C-608	Furnish Bushings	91-A-237				
✓	6	" " "	1	"	"	91-E-236				
✓	7	" " Shaft "	1	"	"High carbon					
✓	8	" " Arrangement	1	913-A-148	Steel					
✓	9	Throttle Lever	1	912-B-603	Furnish Fin. Nut & Taper Pin	912-B-603				
✓	10	" " Handle	1	912-A-603	Steel					
✓	11	" " Latch	1	912-A-602	"					
✓	12	" " " Spring	1	912-C-603	Ordin P.D					
✓	13	" " " Guide	1	912-B-409	Bar Stock					
✓	14	" " " ~~Link~~	1	912-B-602	Steel					
✓	15	" " Quadrant	1	912-A-605		912-A-605				
✓	16	" " Support	1	913-A-146				91-851		
✓	17	" " Fulcrum	1	913-A-147				91-852		
✓	18	" " ~~Strap~~ Support Brace	1	912-A-600		912-A-600				
	19	" " Link								
✓	20	" " Support (Compensating)	1	913-A-149						
✓	21	" " " " Cap	1	"				91-861		
✓	22	Dry Pipe Joint Ring Bet Dry Pipe & Dryer	1	792-U-114				91-862		
✓	23	Dry Pipe	1	912-B-598	Matl. Ordin P.D		79-804			
	24	" " Elbow								
✓	25	" " Front End	1	912-B-598	Matl. Ordin P.D					
	26	" "								
✓	27	" " Sleeve	1	912-B-598	Matl. Ordin P.D					
✓ ⊗	28	" " Support	1	912-A-631	Furnish Bolts	91-M-187				
✓	29	" " ~~Yoke~~ " Clamp	1	"		91-H-230				
	30	" " " Key								
✓	31	" " Clamp	1	912-H-399						
✓	32	" " Joint Ring Bet. Dry Pipe & Header	1	792-W-114				91-853		
✓	33	" " Clamp Ring (2 Halves)	1	912-J-399			79-804			
✓	34	" " " Bolt	3	912-E-403	Furnish Nuts & Washers		91-854			
✓	35	" " " " Key	3	152-B-28	Ordin P.D.					
✓	36	" " " " Washers	3	912-C-459	Steel					
✓	37	" " Shutoff Valve Stuffing Box Flange	1	912-A-601						
✓	38	Throttle Lever Latch Handle	1	912-B-394	Furnish Bushings			91-858		
✓	39	" " " " Bolt	1	912-D-602	Steel			91-728		
✓	40	" " " Jaw "	1	912-C-602	Steel					
✓	41	" " " Link "	1	912-D-603	Steel					
✓	42	" " " Box "	1	912-D-604	Furnish Fin. Nut					
✓	43	" " " Handle Spring	1	912-A-393	Ordin P.D					
✓	44	**GROUP 92—TOOLS**	1 set	922-A-294						
✓	45	~~Broom~~ Wrench - Front Crank Pin	1	922-A-279	Ordin P.D					
✓	46	Coal Pick " Air & Steam Hose	1	922-A-276						
✓	47	" Scoop " Knuckle Pin-Back Crank Pin	1	922-A-8				92-98		
✓	48	~~Crosshead Block~~ " Crosshead Pin-Inter- "	1	922-B-8				92-11		
✓	49	Chisel—Cape	1	922-B-283		922-B-283		92-91		
✓	50	" —Flat	1	922-A-283		922-A-283				
✓	51	~~Fire Rake~~ Slash Bar	1	922-A-277	Furn. Pipe Handle	922-A-277				
	52	Flag—Green								
✓	53	" Red								
✓	54	Grease Gun for Hard Grease	1	923-A-40	Ord. in. P.D. Complete					
✓	55	" White Grease Gun for Soft Grease	~~1~~	~~922-A-275~~	~~Ordin P.D~~ Complete					
	56	Hard Hammer (~~Machinists~~)	1	922-A-278	Steel-Furnish Pipe Handle	922-A-278				
	57	Lantern—White Hand								
	58	" —Red "								
✓	59	Main Pin Blocks								
	60	Draw Hook	1	922-A-127		922-A-127				
	61									

(Group 92 Continued) On Page 51 & 48

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS (Cont.)								
P	1	Oil Can—Long Spout Oiler	1	S.P. Dwg. BL-13187 C	Ord in P.D					
P	2	" " —Engine Oil (2 Gal.)	1	S.P. Dwg. BL-13190-A	"					
P	3	" " —Valve " Tallow Pot	1	S.P. Dwg. BL-13189-B	"					
	4	" " —Signal "								
	5	" " —Kerosene Oil								
P	6	Packing Hook	1	S.P. Dwg. BL-10923-A	Ord in P.D.					
P	7	" Spoon	1	"	"					
P	8	Pinch Bar	1	922-A-134		922-A-134				
P	9	Jackscrews 25 Ton	1	S.P. Dwg. CL-16728	Ord in P.D.					
P	10	~~Tallow Pot~~ Sand Scoop	1	922-A-284						
P	11	Torch	1	922-A-268	Brass Pipe Matl. Ord in P.D					
P	12	" ~~Torpedoes~~ Collar	1	"					92-64	
P	13	" ~~Valve Steam Block~~ " Sleeve	1	"					92-63	
	14	Waste								
P	15	Wrench—Alligator	1	S.P. Dwg. CL-10929	Ord in P.D					
P	16	" —Monkey (1-10" & 1-15")	2	S.P. Dwg. CL-10929	"					
	17	Wrecking Frogs								
P	18	Wrenches	1 Set	S.P. Dwg. BL-10923-A	Ord in P.D					
P	19	Grease Plug Coupling Body	1	922-A-274	Ord in P.D With Hard Grease Gun					
P	20	" " " Plunger	1	"	"					
P	21	" " " Screw	1	"	"					
	22	**GROUP 94—Valves, Distribution**								
P ⊗	23	Piston Valve	2	943-A-70	Furnish Dowels					
P ⊗	24	" " Follower	4	"					94-372	
P ⊗	25	" " ~~T-Ring~~ Bull Ring	4	"	casting Ord in P.D		Gun Iron 94-366			
P ⊗	26	" " Snap Ring (8 Ring Assemblies)	2 Set	"	Ord in P.D					
P ⊗	27	" " Body	2	"	Flue Ord in P.D					
P ⊗	28	" " " Ends	4	"	Forging Ord in P.D					
	29	Slide Valve								
	30	" " Plate								
	31	" " Packing Strip								
	32	" " " "								
	33	" " " Spring								
	34	" " " "								
	35									
	36									
	37	Valve Rod								
P	38	" " Key	2	942-A-220	Matl. Ord in P.D	94-F-4				
	39	" " Knuckle								
	40	" " Pin								
P	41	" " Crosshead	2	942-A-220	Matl. Ord in P.D	942-A-220				
P	42	" " " Bushing	4	"					Bronze 94-365	
	43									
P ⊗	44	Valve Stem	2	942-B-221	Matl. Ord in P.D	942-B-221				
P	45	" " ~~Bushing~~ Nut	2	"	Steel-Fin. Sizes 3 1/8" Hex x 2 1/8" Thick-Furn. Taper Pin.					
P	46	" " ~~Guide~~ Dowels	4	"	Steel					
	47	" " Clamp								
	48	Valve Yoke								
	49									
	50									
	51									
P	52	Valve Stem Packing (Paxton-Mitchell)	2 Set	S.P. Dwg. CL-1698-K	Ord in P.D					
	53	" " " Gland								
	54	" " " Babbit Ring								
	55	" " " " "								
	56	" " " Split Ring								
	57	" " " Spring								
	58	" " " " Case								
P	59	" " " Swab Cup & Oil Cups	2	Furnished With Packing.						
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 95—WHEELS								
P	1	Driving Wheel Center No. 1	2	G.S.C. Corp. 51661 957-A-1	casting Ordin P.D					
P	2	" " " No. 2 · Main	2	51665 957A-2	"					
P	3	" " " No. 3	2	51666 957-A-3						
P	4	" " " No. 4	2	51668 957-A-4						
P	5	" " " No. 5 Counter Balance Plate M	2	51665-957-A-2	Matl. Ordin P.D					
P	6	" " Hub Liner Pressed on Axle (Tons) M		A.A.R. Std.						
P ⊗	7	" " Tire—Flanged	8	952-F-119	Ordin P.D					
P	8	" " "—Plain Retaining Clips	40	952-D-206	"					
P	9	" " " Ret. Ring Clips	24	952-C-206	"					
P	10	Wheel Pressed on Axle (Tons) F.I.&B		A.A.R. Std						
P	11	Trailing Wheel Center-Front	2	953-A-258	Furnish Brass Screws			95-520		
P	12	" " " Hub Liner	2	952-A-205					95-521	
P	13	Trailing Wheel Center - Back	2	953-B-258	Furnish Brass Screws			95-520-A		
P	14	" " Hub Liner "	2	952-B-205					95-522	
P	15	" " Tire	4	952-E-119	Ordin P.D					
P	16	" " " Ret. Ring Clips	24	952-A-206	Ordin P.D					
P	17	Wheel Pressed on Axle (Tons) F.		A.A.R. Std						
P	18	" " " (") B		A.A.R-Std						
P ⊗	19	Wheel—Engine Truck	4	952-A-217	Ordin P.D.					
	20	" —Pressed on Axle (Tons)								
	21	**GROUP 96—WHISTLE**								
P	22	Whistle	1	6" Bell Chime Hancock	Ordin P.D.					
P	23	Whistle Operating Air Control Valve Body.	1	963-A-38	Stick Brass					
P	24	" Valve " " " Plug Base	1	"	"					
P	25	" Gland " " " Plunger Guide	1	"	"					
P	26	" Nut " " " control -	1	"	"					
P	27	" Sleeve " " " ^ "	1	"	"					
P	28	" Monkey Tail " " " " Ball	1	"	1/2" Steel Ball Ord. in P.D					
P	29	" Lever " " " " Spring	1	"	Ordin P.D.					
P	30	" " Fulcrum " " " Handle	1	"						
P	31	" Arm " " " " " " Fulcrum	1	"					96-186	
P	32	" Shaft Air Operated Valve	1	962-A-86	Steel Furnish Nut & Taper Pin				96-187	
P	33	" " Bearing " " Ring	2	"	Ordin P.D.				96-135	
P	34	" " - " " Case	1	962-A-43						
P	35	" Rod " " " Cap	1	962-A-43					96-100	
P	36	" Rope Handle " " " Lock Nut	1	"	Stick Brass				96-99	
P	37	" " Eye " Rigging	1	963-A-64	Furnish Adj. Screw Nuts. Pin & Washers					
P	38	" " Thimble " Cylinder Arm	1	962-A-196						
P	39	" Sheave Support	1	962-A-197				96-228		
P	40	" Operating Bar Cyl. Arm Pin	1	962-A-196	Steel.	962-A-197				
P	41	" Valve Elbow Lever	1	962-A-199	Furnish Cotter Plate					
	42	" Extension								
P	43	" - Tyfon Air	1	Leslie Tyfon A-200-L-RR	Ordin P.D.					
P	44	" " " Arrgt.	1	963-A-VII 73						
P	45	" " " Support	1	Viloco "						
P	46	" " " Operating Valve	1	"Lunkenheimer Leslie Valve	Furnished With Whistle			96-A-84		
P	47	" " " Relay Valve	1	Viloco # 962	Furnished With Whistle					
P	48	" " " Pipe Connector # 6	6	632-C-1113	Stick Brass					
P	49	" " " " " " nut # 6	6	632-B-1112	" "					
P	50	" " " " Union Sleeve #	#	# # # #	# #					
P	51	" " " " " " nuts #	#	# # # #	# #					
P	52	" " " " Elbow	2	632-B-1109						
P	53	" " " " " " Nuts	2	632-B-1112	Stick Brass				63-1308	
P	54	" " " Pipe Pad	1	632-C-725	Steel					
	55									
P	56	Typhon Air Whistle Clamp	1	963-A-73	Angle Iron					
P	57	" " " " U-Bolt	1	963-B-73	Furnish Nut					
P	58	" " " Self Cleaning Strainer	1	1/2" Leslie # 1105	Furnish With Whistle					
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 97—Prelim. Designs & Proposi'n								
	1	Tire Marking		952-A-208						
	2	Wheel "		952-A-207						
	3									
	4	GR. 98—Clear. & Wheel Base Diag'm								
	5	Clearance Diagram		984-A-36						
	6	Wheel Base Diagram		982-A-68						
	7									
	8	GROUP 99—MISCELLANEOUS								
	9	Billet List	1 set	992-A-336	Matl. Ordin P.D.					
	10	Booster On Trailer	1	Type C-2 Franklyn	Ord. in P.D.					
	11	Booster King Pin Arrangement	1	992-A-103						
	12	" " " Ball Seat	1	"	Fin. Sizes 9" O.D x 4" Thick Furnish Nut & Cotter					
	13	" " "	1	"						
	14	" " " Washer	3	"	2" Standard					
	15	" " " Spring	1	992-A-9	Ordin P.D	For Future Order Line "L" - M To High for Skyline casing.				
	16	" Preliminary Valve Bracket	1	992-M-269	Plate-Matl. Ord. in P.D					
⊗	17	Boost'r Throttle Support Clamp Plates	2	243-A-8	3/8 Forged Sizes 3/8 x 2" x 12"					
	18	Booster Throttle	1	Franklin.	Ordin P.D					
⊗	19	" " Support	2	243-A-8		24-A-4				
⊗	20	" " " ~~Brace~~ Plate	1	"	Plate-Matl. Ord in P.D.					
⊗	21	" " " Clamps	2	"		24-A-3				
	22	Booster ~~Pilot Valve Bracket~~ Steam Gauge Elbow	1	632-F-692						78-316
	23	" Timing Reservoir Bracket	2	192-B-323		192-B-323				
	24	" " " Support U-Straps	2	192-A-323	Furnish Nuts	192-A-323				
	25	Booster Live Steam Joint Ring - Det. Check & Throttle Valve	1	792-Y-93			79-714			
	26	Booster Live Steam ~~Elbow~~ Flange At C.O. Valve	1	632-B-461				63-745		
	27	" " " " Joint Ring " "	1	792-M-147			79-714			
	28	" " " Flange - In Line	6	632-B-461				63-745		
	29	" " " Joint Ring In Line	3	792-K-147			79-714			
	30	" " " Flanges - At Throttle	1	632-B-461				63-745		
	31	" " " " Joint Ring At "	1	792-L-147			79-714			
	32	" " " Flange At Check	1	632-B-461				63-745		
	33	" " " " Joint Ring At "	1	792-L-147			79-714			
	34	Booster Cutout Valve Body	1	243-A-4				24-5		
	35	" " "	1	242-A-13					78-24-C	
	36	" " " Booster Live Steam ~~Joint Rings~~ Stem	1	"	Stick Brass					
	37	" " " " End	1	"	Steel					
	38	" " " " Retainer	1	"	Stick Brass					
	39	" " " Bonnet	1	"					78-25	
	40	" " " " Nut	1	"					78-26	
	41	" " " " Gland	1	"	Stick Brass					
	42	" " " Joint Ring	1	792-H-147			79-906			
	43	Booster Live Steam Choke (Prelim. Valve Line)	1	632-~~K~~-970	Stick Brass					
	44	" " " " (Lubricator) 1/16" Choke	1	632-A-1115	Steel					
	45	" " " " ~~Swivel~~ Connector	1	632-A-1113	Stick Brass					
	46	" " " " " Nut	1	632-A-1112	" "					
	47	" " " " (Steam Gauge Line) 1/16" Choke	1	632-D-1115	Steel					
	48	" " " " ~~Swivel~~ Connector	1	632-C-1113	Stick Brass					
	49	" " " " " Nut	2	632-B-1112	" "					
	50	" " " " (At Steam Gauge) 1/32" Choke	1	632-E-1113	" "					
	51	Booster Exhaust Pipe Elbow	1	632-A-1105				63-1302		
	52	" " " ~~Coupling~~ Joint Ring: Inside S.B.	1	792-B-148					79-114	
	53	" " " Elbow Flange - " "	1	632-A-1103				63-1301		
	54	" " " " Joint Ring Outside "	1	792-B-148					79-114	
	55	" " " " ~~Sleeve~~ Flange " "	1	632-A-1095				63-1280		
	56	" " " Joint Ring At Separator	2	792-L-96					79-693	
	57	" " " ~~——~~ Flange "	2	632-E-293				63-486		
	58	Booster Lubricator Line Elbow	1	632-C-1109					63-1303	
	59	" " " Nuts	4	632-A-1112	Stick Brass					
	60	" " " Connectors	1	632-A-1113	" "					
	61	" " " Nipples	1	1" Std Ex Hvy. 1/2 Pipe Nipple						
	62	" " " Connector	1	632-D-1114	Stick Brass					

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
	1	Booster Guide Bracket								
C	2	" " Rod R.S	1	242-B-15	Furnish Nuts	242-B-15				
C	3	" " Rod L.S.	1	242-A-19	" "	242-A-19				
C	4	" " " Clamp	4 Halves	992-A-301				99-38-A		
C	5	" " " " Rings	8 Halves	992-D-301		992-D-301				
	6	" " " Clamp								
C	7	" " Pin	2	242-A-15	Furn. Nuts, Washers Etc.					
C	8	" Manifold Bracket								
C	9	Booster Air Line Elbow	1	632-B-1108					63-1306	
C	10	Booster Air Line Elbows	6	632-A-1109					63-1307	
C	11	" " " Nuts	12	632-C-1112	Stick Brass					
C	12	" " " Connectors	5	632-B-1113	" "					
C	13	" " " Nipples	5	3/8" Std. Ex. Hvy. Pipe Nipples						
C	14	Booster Exhaust Pipe Flange-Line	1	632-B-293				63-486		
C	15	" " " Joint Ring "	1	792-C-148					79-777	
C	16	" " " Flange " Line	1	632-C-293				63-487		
C	17	" " " " At F.B	2	632-B-461				63-745		
C	18	" " " Joint Ring"	1	792-S-147					79-714	
	19									
C	20	Booster Live Steam Drain Fitting	1	242-A-20	Steel					
	21									
C	22	Booster Live Steam Pipe Flange								
C	23	" " " " Joint Ring								
C	24	" " " " Flange								
C	25	" " " " Joint Ring								
	26									
	27									
C ⊗	28	Booster Operating Latch Arrgt.	1	243-A-9						
C	29	" " " Handle	1	243-A-7						
C	30	" " " Lever	1	242-A-16	Furnish Rivet	242-A-16		24-7		
C	31	" " " " Pin	1	242-B-16	Furnish Nut					
C	32	" " " " Stop Pin	1	242-C-16	Steel					
C	33	" " " " Pin	1	242-D-16	Furnish Nut					
C	34	" " " " Lever Washer	1	242-E-16	Steel					
C ⊗	35	" Pilot Valve Bracket	1	242-A-18	Plate-matl Ord in P.D.	242-A-18				
	36									
	37									
C	38	Booster Steam Gauge Connector	1	632-C-1113	Stick Brass					
C	39	" " " Nuts	2	632-B-1112	" "					
C	40	" " " Elbow	1	632-B-1109						
C	41	" " " Nipple	1	1/4" Std. Ex. Hvy. Pipe Nipple					63-1308	
C	42	" " " Connector	1	632-B-1114	Stick Brass					
C	43	" " " Nuts	2	632-B-1112	" "					
	44									
	45									
C	46	Signal Foam Meter Steam Separator	1	992-A-326	Furnish With Signal Foam Meter					
C	47	" " " " " Support	1	"		99-A-49				
C	48	" " " " " "	1			99-A-50				
C	49	" " " Electrode-Long	1	Electro-Chem. Corp. Dwg. 51-Ace-23	Thd. Shank to Suit Tap in Boiler					
C	50	" " " " -Short	1	Electro-Chem. corp. Dwg. 51-Ace-24	THD Shank to Suit Tap in Boiler					
C	51	" " " Arrangement	1	Electro. Chem. Corp. Dwg 51-Ece-13-5						
	52									
	53									
	54	Speed Recorder Rigging								
C ⊗	55	Valve Pilot Bracket	1	993-A-102	Plate-matl. Ord in P.D.					
C ⊗	56	" " " Brace	1	"	" "					
C ⊗	57	" " " Gusset	1	"	" "					
C	58	" " Speed Recorder Drive Support	1	992-A-340		992-A-340				
	59									
	60									
	61									

(Group 99 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
8	1	Pipe Clamps - Right Side - Continued From Page 38								
8	2	Pipe Clamp - Smoke Box	1	632-D-1125	Cold Pump Steam	632-D-1125				
8	3	" " Cap " "	1	"	" " "	632-D-1125				
8	4	Pipe Clamp First Course	2	633-C-15	" " "	633-C-15				
8	5	Pipe Clamp Dome	1	"	" " "	633-C-15				
8	6	Pipe Clamp Third Course Fire Box "	& 4	"	"	633-C-15				
8	7	Pipe Clamp Smoke Box	1	632-A-1148	Cold Pump Del Hot " "	632-A-1148				
8	8	" " Cap " "	1	632-B-1148	Cold Pump Del. Hot " "	632-B-1148	not used on 1152- Buck 1/18/41			
8	9	Pipe Clamp - Under Smok Box	1	632-C-1148	Hot " "	632-C-1148				
8	10	" " Cap	1	632-K-1150	" " "	632-K-1150				
8	11	Pipe Clamp First Course on Power Rev. Support	1	632-K-1125	Cold Pump Del.	632-K-1125				
8	12	" " Cap	1	"	" " "	632-K-1125				
8	13	Pipe Clamp Dome Course on Reservoir Support	1	632-K-1133	" " "	632-K-1133				
8	14	" " Cap	1	"	" " "	632-K-1133				
8	15	Pipe Clamp Third Course on Reservoir Support	1	632-K-1125	" " "	632-K-1125				
8	16	" " Cap " "	1	"	"	632-K-1125				
8	17	Pipe Clamp Mud Ring-Front	1	632-A-1180	" " Cold Pump ~~Steam~~ Del	632-A-1180				
8	18	" " Cap " " "	1	632-B-1180	" " "	632-B-1180				
8	19	Pipe Clamp - Fire Pan Side Angle	1	632-A-1176	" " "	632-A-1176				
8	20	" " Cap " " "	1	632-B-1145	" " "	632-B-1145				
8	21	" " " " " "	1	632-C-1145	" " "	632-C-1145				
8	22	Pipe Clamp - Back of Cyl.	1	632-M-1125	Booster Steam	632-M-1125				
8	23	" " Cap " "	1	"	" "	632-M-1125				
8	24	Pipe Clamp - At Exh. Pipe Inside S.B.	1	632-A-1147	Booster Exh.	632-A-1147				
8	25	" " Cap "	1	632-B-1147	" "	632-B-1147				
8	26	Pipe Clamp - On Bed Casting At Sep. Sc.	2	632-B-1149	" "	632-B-1149				
8	27	" " Cap " " "	2	632-B-1147	" "	632-B-1147				
8	28	Pipe Clamp - On Bed Casting	1	632-C-1151	" "	632-C-1151				
8	29	" " Cap " " "	1	632-B-1151	" "	632-B-1151				
8	30	Pipe Clamp " " "	1	632-C-1154	" "	632-C-1154				
8	31	" " Cap " " "	1	632-B-1154	" "	632-B-1154				
8	32	Pipe Clamp - Fire Box	1	632-A-1246	" "	632-A-1246				
8	33	" " Cap "	1	632-B-1134	" "	632-B-1134				
8	34	Pipe Support "	2	632-B-1153	Booster Exh. & Valve Pilot Conduits	632-B-1153				
8	35	" U-Bolt "	2	632-A-1152	Booster Exh Valve Pilot Conduit	632-A-1152				
8	36	" " "	2	632-B-1152		632-B-1152				
8	37	Pipe Clamp - Pilot Beam	1	632-D-1134	Train Line Signal Line	632-D-1134				
8	38	Pipe Clamp - Bed Casting - Front of Cyl.	1	632-F-1133	Train Line	632-F-1133				
8	39	" " Cap " " "	1	"	" "	632-F-1133				
8	40	Pipe Clamp " " "	1	632-D-1133	Signal Line	632-D-1133				
8	41	" " Cap " " "	1	"	" "	632-D-1133				
8	42	Pipe Clamp - Runn Board Brkt.	1	632-A-1235	Train Line-Signal Line-Brake Cyl. Line	632-A-1235				
8	43	" " Brace " " "	1	"	" "	632-A-1235	Not used on 1152- Buck 1/15/41			
8	44	" " Cap " " "	1	"	"	632-A-1235				
8	45	Pipe Clamp " " "	3	632-A-1243	Crossover-Train Line-Signal Line Brake Cyl. Line	632-A-1243				
8	46	" " Brace " " "	3	"	" "	632-A-1243				
8	47	" " Cap " " "	3	"	"	632-A-1243				
8	48	Pipe Clamp - " " "	3	632-B-1243	Cooling Pipes, Train, Signal & Brake Cyl. Lines	632-B-1243				
8	49	" " Brace " " "	3	"	" "	632-B-1243				
8	50	" " Cap " " "	3	632-B-1243	Cooling Pipe	632-B-1243				
8	51	" " - " " "	3	632-H-1150	Reservoir Train Signal & Brake Cyl. Lines.	632-H-1150				
8	52	Pipe Clamp - " " "	1	632-A-1250		632-A 1250				
8	53	" " Brace " " "	1	"	" "	632-A-1250				
8	54	" " Cap " " "	1	"	" "	632-A-1250				
8	55	Pipe Clamp - " " "	1	632-B-1250	"	632-B-1250				
8	56	" " Brace " " "	1	"	" "	632-B-1250				
8	57	" " Cap " " "	1	"	"	632-B-1250				
8	58	Pipe Clamp - " " "	1	632-A-1240	Reservoir Line Signal Train "	632-A-1240				
8	59	" " Cap " " "	1	"	" "	632-A-1240				
8	60	Reservoir Pipe Clamp	1 Pr.	632-A-1138	Reservoir Line	632-A-1138				
8	61	Pipe Clamp. Smoke Box	1	632-B-1146	Crossover	632-B-1146				
8	62	" " Cap. " "	1	"	"	632-B-1146				

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
P ⊗	1	Skyline Casing	1	570-A-3						
P	2	" " Material	1 set	57-MO-53	Mat'l Ord in P.D					
P	3	Smoke Box Stack Casing Base	1	570-A-3		57-A-20				
P	4	" " " " Liner	1	"		57-A-21				
P	5	Skyline Casing Supports RS Smoke Box	1	572-A-157		572-A-157				
P	6	" " " Smoke Box	2	572-B-157		572-B-157				
P ⊗	7	" " " Smoke Box 1st. Course	1	570-A-3		57-A-19				
P ⊗	8	" " " R&L 1st. Course	2	573-D-19		573-D-19				
P ⊗	9	" " " Upright R&L Tape Course	2	573-B-19		573-B-19				
P ⊗	10	" " " L.S. Dome Course	1	573-E-19		573-E-19				
P ⊗	11	" " " Rear Upright Dome Course	2	573-A-18		573-A-18				
P ⊗	12	" " " Front Upright Dome Course	2	573-B-18		573-B-18				
P ⊗	13	" " " RS 3rd course	1	572-A-181		572-A-181				
P ⊗	14	" " " R.S. 3rd Course	1	573-D-23		573-D-23				
P ⊗	15	" " " L.S. 3rd Course	1	572-B-178		572-B-178				
P ⊗	16	" " " Upright R&L Fire Box	2	573-A-23		573-A-23				
P ⊗	17	" " " Upright R&L Fire Box	2	573-B-23		573-B-23				
P ⊗	18	" " "	1-R 1-L	573-C-23		573-C-23				
P ⊗	19	Dome Casing Ring	1	570-A-3		57-B-17				
P ⊗	20	Foam Meter Steam Separator cover Ring	1	"		57-A-23				
P	21	Skyline Casing Door Latch	1	532-F-793		532-F-793				
P	22	" " " " Handle	1	532-B-793		532-B-793				
P	23	" " " " Assembly	1	532-H-793						
P	24	" " Support Smoke Box. L.S.	1	572-A-182		572-A-182	Make from 572-A-157 - Cut off			
	25									
	26									
	27									
	28									
	29									
	30									
	31									
P	32	Group 63 - Continued From Page 38								
P	33	Pipe Pad - Booster steam Pipe Drain To Cyl.	1	632-A-1233	Steel					
P	34	Pipe Pad - Hot Pump Delivery Drain Under Boiler	1	632-J-725	Steel					
	35									
	36									
	37									
	38									
	39									
	40									
	41									
	42									
	43									
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	49									
	50									
	51									
P	52	Group 54 - Headlight Etc.								
P	53	Shield for Gauge Lights	1	542-A-685	Plate - Mat'l Ord in P.D					
P	54	Receptacle Box Bracket (For H. Speed Brake)	1	542-C-686		542-C-686				
P	55	Valve Pilot Lamp	1	Pyle Nat'l. LCN-70	Ord in P.D					
P	56	Aar Gauge "	1	Pyle Nat'l. M.C.B.-35-S.P	Ord. in P.D.					
P ⊗	57	Flag Bracket	2	542-A-706						
P	58	Train Number Lamp Support	2	542-A-721		542-A-721			54-760	
	59									
	60									
	61									

Material Specifications

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Dec 2-1943